

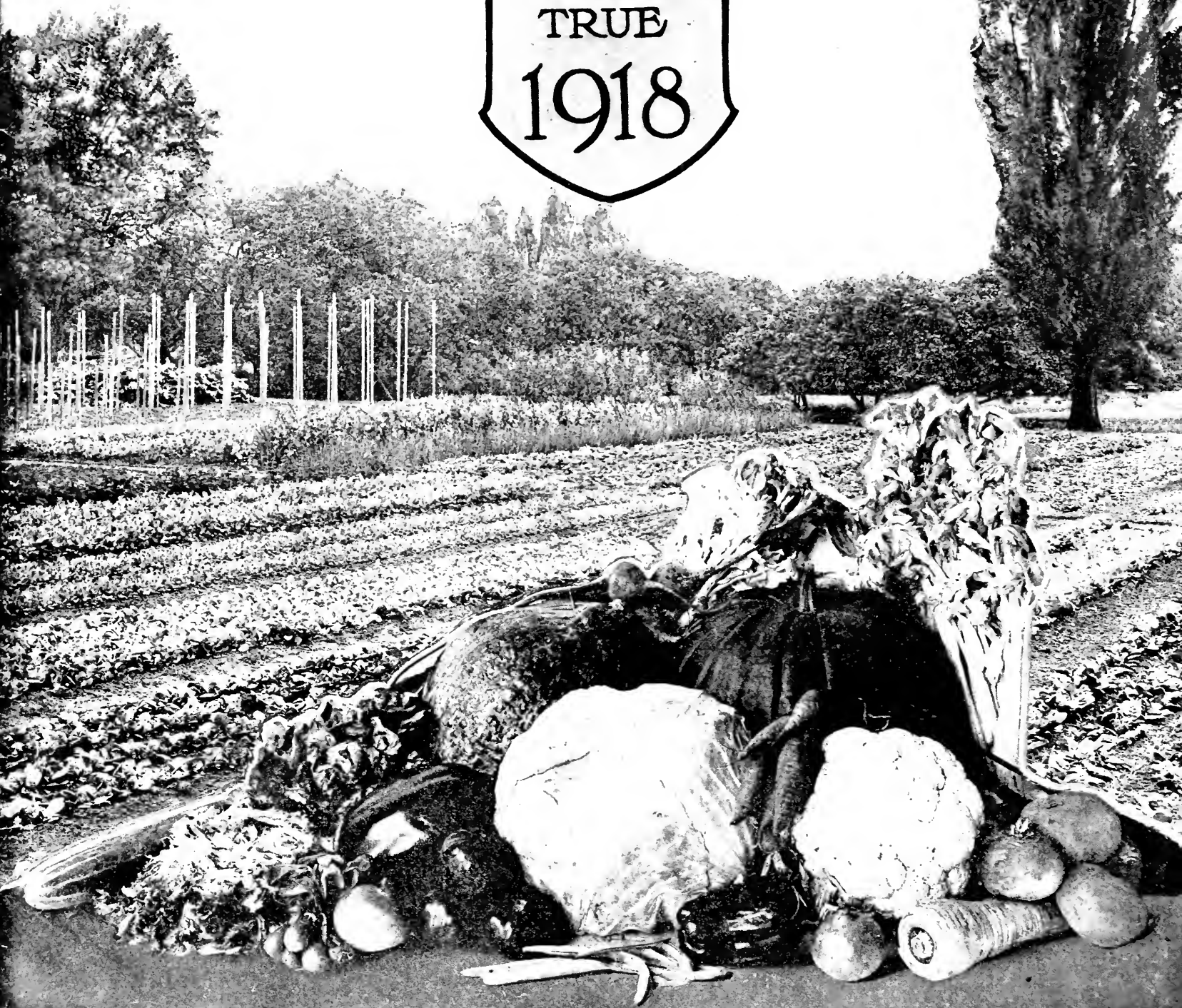
Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

DIGGS & BEADLES

INCORPORATED

SUPERIOR SEEDS



GENERAL STORE and OFFICE 1428 E. MAIN ST.
BRANCH STORE and WAREHOUSE 1711 E. FRANKLIN ST.
BRANCH STORE (UPTOWN) 603 & 605 E. MARSHALL ST.

RICHMOND,
VA.



D. & B's. *Velvet Green* Lawn Grass

Our Lawn Grass is composed entirely of the very highest grade and most suitable Grasses as respects color, texture and permanency. We have made a careful study of the difficulties met with in making a pretty and permanent lawn, and the result of our efforts is this splendid mixture.

It is far better than the Kentucky Blue Grass, as it produces beautiful green velvety sward in 6 to 8 weeks from time of sowing, and lasts for many years without reseeding. It is better adapted to the various soils, and stands the heat and drought of summer as well as the severe cold better than any of the various mixtures so commonly offered.

That we have been successful in securing the most desirable combination is shown in the character of the fine lawns produced from this seed in our city parks, the attractive grounds of The Battle Abbey, and in beautiful Hollywood and Oakwood cemeteries, as well as many country estates who use this mixtures in very large quantities. Our sales of this Lawn Grass is increasing enormously each year.

It should be kept in mind, when comparing prices, that this grass is all of the choicest, cleanest and heaviest seeds; and we feel safe in saying a better Lawn Grass cannot be secured at any price. Per lb. 40 cts.; by mail, postpaid, 50 cts.; 5 lbs., by express, \$1.75; 10 lbs. \$3.25; 25 lbs. \$7.50; 100 lbs. \$28.00.

Preparation and Care of Lawns

The proper preparation of the ground in starting a new lawn is essential. This is too often neglected. The ground should be deeply ploughed, or spaded deep enough to leave a bed of loose earth 4 to 6 inches deep. This should be thoroughly pulverized and raked, removing all sticks, roots and stones. After getting the ground perfectly smooth, put on an application of Raw Bone Meal, at the rate of 5 pounds to the 300 square feet or 1,000 pounds to the acre. **DO NOT USE STABLE MANURE;** it is unsightly, and is also a hotbed of weed seeds and worms, the very thing to be guarded against in laying a foundation for a lawn. We recommend a thick seeding, sowing the seed at the rate of 1 pound to the 300 square feet (or about 18 feet each way), 80 to 100 lbs. to the acre. The land should then be gone over with a heavy roller, or the seed raked in thoroughly with a small hand-rake. The best months for seeding a lawn are February, March, April, September and October. Let the grass get a start of 4 inches before cutting, as too early cutting retards growth; after this cut every ten days. During dry weather water frequently in the evenings to get the best results.

A top dressing of Bone Meal or Pulverized Sheep Manure in the early spring is very beneficial to old lawns.

PLANT A GARDEN

Our Country is at war, it is a war based as truly on resources, food and production, as on men, guns and munitions. We must win and we will win, but in order to win we must produce food in plenty. Our boys "over there" are giving their lives, we who are left behind must do our part and supply the money and food. Therefore let every one listen to the call of our Country and be a producer. The basis of all food is dependable Seeds. With energy, good soil, moisture and good Seeds, no enemy can starve America. Let every one "do his bit" and plant a garden for 1918.

SOW D. & B'S. TESTED SEEDS

TO OUR FRIENDS AND CUSTOMERS:—

War is having a very serious effect on the Seed business and Seed supply of our Country. Never before has there been such a general scarcity of Garden Seeds as now exists.

Previous to the War, America imported a large proportion of her Garden Seeds from Europe, but now nearly all foreign grown Seeds are practically eliminated, because of crop shortages and the fact that the European governments have been obliged to put embargoes on many of the Seeds they grow because of their own requirements; therefore America has been called upon, not only to grow most of her own Seeds, but to supplement the Seed supply of practically the entire World. This tremendously increased demand naturally would have caused higher prices even with normal Seed crops, but in addition to this increased demand, America unfortunately has the shortest Seed crops probably never known, so short as to almost cause a Seed famine. In fact, many Seed crops were an entire failure, the growers in many cases not getting back the quantity of Seeds planted. Cabbage, Peas, Beans, Spinach, and the Seed supply of many other crops were very short owing to unfavorable growing seasons through 1917, and the very early frosts, the season not being long enough for many Seeds to mature. The crop of Garden Corn, which was planted late in many sections, was nearly all caught by a hard freeze in September while standing green in the field and was frozen on the stalk, making it absolutely worthless for Seed. So prices must of necessity be higher this year, not only because of the higher cost of obtaining the Seeds, but every item of expense in conducting business has increased enormously. Our supply of many kinds of Seeds is very limited and is not going to be equal to the demand, and on several items we can only quote in small quantities, so don't waste Seeds, as we want every Seed we send out to serve its useful purpose. Make every available foot of land you can cultivate, produce Food crops of some kind, either for man or for stock. We also urge our customers to send in their orders early that they may secure the kind of Seeds they want, and would also ask that we be given the privilege of substituting on orders one variety for another should we be sold out of the variety preferred, as we expect to be sold out of many Seeds early in the season, and they cannot be replaced, as other Seedsmen are just as short of Seed stocks as we are.

But do not let the scarcity of Seeds deter you from putting in all the crops you can possibly grow, for every bit of Food you grow and every Vegetable raised in your own garden and served on your own table releases just that much food to be shipped to our Allies and the boys at the front. It should, therefore, be the patriotic duty of everyone to grow as many Food crops as possible to help feed the World.

War upsets all usual calculations, plans and conditions. Transportation companies are hopelessly demoralized and taxed far beyond their capacity. If delays and annoyances come, remember these are War times, conditions are not normal, and delays and vexations are inevitable, but as compared with the unfortunate people of Europe, we suffer very little.

The United States Food Administration now requires that all Food products (which includes several kinds of Seeds) be sold by weight instead of by measure, as has been the common practice in the past. In so far as the Seed business is concerned this applies principally to Peas, Beans and Corn, but for the convenience of our customers we have stated on the pages on which these items are quoted the equivalent by weight as compared with the measure as formerly used.

With the earnest wish that the year 1918 may bring to you prosperity and happiness and to the World Peace, we are,
Most cordially and faithfully yours,

Richmond, Va., Jan. 15, 1918.

DIGGS & BEADLES, Incorporated.

Parcel Post Zone Map With Rates of Postage.



POISONS AND LIQUIDS CANNOT BE SENT BY PARCEL POST

Seeds, Bulbs and Plants may be sent by Parcel Post at the same rate of postage as other merchandise, but as a convenience to our customers we quote all Garden Seeds postpaid in quantities up to 1 pound, but when larger quantities are ordered sent by mail, add the required postage as per the rate table below. When 2 pounds are ordered, remit postage for 2 pounds; when 3 pounds are ordered, remit postage for 3 pounds; and so on, as the wrapping of the packages will make it run over the actual weight ordered. When figuring the amount of postage, if in doubt as to the exact amount required, remit even more than you think necessary, and we will return the amount not needed, as we cannot send packages postage collect, nor charge on our books small amounts due for postage stamps. On other articles through the catalogue admitted to Parcel Post and not quoted postpaid, the mailing weight is given, so that the correct amount of postage required can be easily ascertained.

The map to the left will indicate in what Zone you are located, measuring from Richmond, but if you are in doubt as to what Zone you are in from Richmond, ask your postmaster. The weight limit in the first and second Zone is 50 pounds; all other zones, 20 pounds.

ZONES

Weight	1st and 2d	3d	4th	5th	6th
1 pound	\$0.05	\$0.06	\$0.07	\$0.08	\$0.09
2 pounds	.06	.08	.11	.14	.17
3 pounds	.07	.10	.15	.20	.25
4 pounds	.08	.12	.19	.26	.33
5 pounds	.09	.14	.23	.32	.41
6 pounds	.10	.16	.27	.38	.49
7 pounds	.11	.18	.31	.44	.57
8 pounds	.12	.20	.35	.50	.65
9 pounds	.13	.22	.39	.56	.73
10 pounds	.14	.24	.43	.62	.81
11 pounds	.15	.26	.47	.68	.89
12 pounds	.16	.28	.51	.74	.97
13 pounds	.17	.30	.55	.80	1.05
14 pounds	.18	.32	.59	.86	1.13
15 pounds	.19	.34	.63	.92	1.21
16 pounds	.20	.36	.67	.98	1.29
17 pounds	.21	.38	.71	1.04	1.37
18 pounds	.22	.40	.75	1.10	1.45
19 pounds	.23	.42	.79	1.16	1.53
20 pounds	.24	.44	.83	1.22	1.61

ZONES

Weight	1st and 2d	Weight	1st and 2d
21 pounds	\$0.25	36 pounds	.40
22 pounds	.26	37 pounds	.41
23 pounds	.27	38 pounds	.42
24 pounds	.28	39 pounds	.43
25 pounds	.29	40 pounds	.44
26 pounds	.30	41 pounds	.45
27 pounds	.31	42 pounds	.46
28 pounds	.32	43 pounds	.47
29 pounds	.33	44 pounds	.48
30 pounds	.34	45 pounds	.49
31 pounds	.35	46 pounds	.50
32 pounds	.36	47 pounds	.51
33 pounds	.37	48 pounds	.52
34 pounds	.38	49 pounds	.53
35 pounds	.39	50 pounds	.54

IMPORTANT NOTES AND SUGGESTIONS

How to Send Money—Remittances should be made either in the form of an Express Money Order, P. O. Money Order, Bank Draft or Registered Letter. Postage stamps will be accepted for small amounts, provided they are carefully wrapped, so as to prevent sticking.

We Make No Charge for Drayage or delivery of goods to any railroad station, steamship line or express office in Richmond. Freight depots in Richmond close 4:00 P. M., and on Saturdays at 2 P. M. Cotton sacks are charged for at cost, the present price of 2½-bushel cotton sacks is 45 cents each.

Seeds by Mail—Seeds, Bulbs, and Plants may be sent by Parcels Post at the same rate of postage as other merchandise, but as a convenience to our customers we are now quoting all Garden Seeds postpaid in quantities up to one pound, but for full information and Parcel Post rates on articles and quantities not quoted postpaid, see page 1.

Seeds by Express—Express rates are very moderate, and on the average, are now lower than Parcel Post rates to points beyond the Third Zone, and when practical, we would advise customers to order goods shipped by Express, as it is far more satisfactory, quicker and safer. Goods ordered C. O. D. by Express must have 25 per cent of the amount accompany order. We do not make shipments by Freight C. O. D. to points where there is no bank.

Orders from Unknown Correspondents—We often receive orders from unknown correspondents saying ship goods and "Check will be mailed." You can readily see that this is impracticable, as we could not afford to establish such a precedent. Please do not ask us to do this unless established credit has been previously arranged with us, as satisfactory business references must always be given by customers wishing to open accounts for credit. You run no risk in sending cash with your order. Our reputation as honest and experienced Seedsmen is well known, while our financial responsibility can be learned from any Bank, Trust Company, or Wholesale Merchants, who are subscribers to either of the Commercial Agencies.

Errors—Our firm with its money invested, its success and reputation at stake, could not permit an error to stand uncorrected. We exercise the greatest care to prevent errors, but human hands and minds must be depended upon which are not infallible, and mails will miscarry, but please remember this, that the complete satisfaction of our customers is our first wish, and if an error is made we are more anxious to correct it than you could be.

to have us do so, and an opportunity to make restitution is always sincerely appreciated.

Prices on Field Seeds, Onion Sets and Potatoes are constantly fluctuating. The prices given in this catalogue are those ruling at the time this catalogue is printed in January. But they are not binding, and may change at any time. We will cheerfully quote prices at any time on request, and we will always fill open orders entrusted to us at the lowest prices possible for our best quality seeds. If you are a frequent purchaser of seeds and wish to receive our monthly price list, advise us and we will be glad to enter your name on our regular mailing list. It frequently occurs that the prices of articles may have changed between the time our catalogue is printed and receipt of orders. When such is the case, if the article ordered is cheaper, we will send the value of such articles at the ruling prices. If the articles are higher we will deduct the quantity to meet the amount of remittances. We do this to save delay of correspondence. But in case you wish to limit your price, please so state on your order, otherwise we will fill your order as we think best.

About Warranting Seeds—We exercise the greatest possible care in growing, buying, examining and testing our Seeds, and we try in every department of the business to guard against mistakes and insure reliability. We maintain an up-to-date laboratory for accurate and systematic seed-testing, in charge of a thoroughly experienced seed analyst, and our customers can rest assured that all Seeds purchased from us have been thoroughly and carefully tested, and under ordinary conditions and with proper cultivation will certainly grow good crops, yet no Seedsmen can, or ever does in good faith, assume any responsibility for crops grown from Seeds supplied by them, there being too many causes known and unknown which prevent good seeds from germinating. Therefore, in common with all responsible seed houses, we sell our goods subject to the following disclaimer, which has been adopted by the American Seed Trade Association, and all orders sent us will be accepted under these conditions only:

Diggs & Beadles, Inc., "give no warranty, express or implied, as to growth, description, quality, productiveness or any other matter of any Seeds, Bulbs or Plants they send out, and they will not be responsible for the crop."

All Quotations, Orders, Bookings, Shipments and Agreements made by us are subject to delay in case of fires, strikes, embargoes, car shortages, labor conditions, and any rulings or restrictions issued by the State or Federal Governments, and all war conditions beyond our control.

FARM AND GARDEN CALENDER

MONTHLY OPERATIONS FOR FARM AND GARDEN FOR DIFFERENT MONTHS OF YEAR—WHEN AND WHAT TO SOW

JANUARY. Send us your order for Garden Seed. If your hotbeds have not already been prepared, attend to them at once, and sow Cabbage, Lettuce, Beets, Radish, Cauliflower and Onions. Sow hardy Flower Seeds in hotbeds for early blooming. Secure manure and cut pea and bean poles. Top-dress grain and grass fields.

FEBRUARY. Continue top-dressing Grain and Grass fields. Sow in hotbeds or cold frames Cabbage, Lettuce, Beets, Radish, Cauliflower, Onions, Tomato, Egg Plant and Pepper. Latter part of the month sow in open ground Spring Kale, Beets, Spinach, Carrots, Celery, Radish, Parsley, and Early Peas. Put out Asparagus, Horse Radish, and Rhubarb Roots, Onion Sets, hardy Lettuce and Cabbage Plants. Plant Irish Potatoes on high, well-drained soil. Sow Tobacco Seed, Winter Oats, Canada Field Peas, Grass and Clover Seeds.

MARCH. Sow under glass—Tomato, Pepper, Egg Plant, and Flower Seed. Sow outside—Garden Peas, Cauliflower, Cabbage, Lettuce, Beets, Radish, Parsley, Parsnip, Salsify, Carrots, Celery, Asparagus and Onions. Sow Herb Seed in warm borders. Plant Onion Sets, Irish Potatoes, Asparagus, Rhubarb and Horse Radish Roots. Transplant Early Cabbage, Lettuce and Cauliflower plants. Sow Dwarf Essex Rape, Canada Field Peas, Winter and Spring Oats, Grass and Clover Seed. Plant Artichokes for hogs.

APRIL. Finish sowing Canada Field Peas, Oats, Grass and Clover Seed, plant Irish Potatoes and Artichokes. Bed Sweet Potatoes. Set out Asparagus, Rhubarb and Onions. Sow Cabbage, Lettuce and Tomatoes in open ground for succession. Sow Beets, Carrots, Celery, Radish, Salsify, Parsnip, Parsley, Spring Kale, Herbs, Mangel Wurzel. Set out Cabbage, Lettuce, Onions, and Beet Plants. Sow hardy Flower Seed outside. Plant Early Corn, Garden Peas, Snap Beans. Later in the month plant Cucumbers, Melons, Squash, and Peanuts, if weather is favorable.

MAY. Finish planting early vegetables that were omitted last month. Plant all varieties of Dwarf and Pole Beans, Black-eye Peas, Cantaloupes, and Watermelons, Cucumber, Squash, Okra, Pumpkin and Stock Beets. Sow Tomato and Cabbage Seed for late crop. Set out Tobacco, Cabbage, Lettuce, Cauliflower, Tomato, Egg Plants, Pepper and Sweet

Potato Plants. Sow Flower Seed and plant Flowering Bulbs. Plant Sugar and Field Corns, Peanuts and Cotton. Sow Sorghum, Millet, Cow Peas, and all Fodder Plants.

JUNE. Sow Tomato and Cabbage for late crop. Plant Watermelons, Cantaloupes, Cucumbers, Squash and Pumpkin, Dwarf and Pole Beans, Stock Beets. Sow Millet, Sorghum, Soja Beans, and Fodder Plants.

JULY. For succession, plant Snap Beans, Sugar Corn and Dwarf Lima Beans. Plant Cucumbers for Pickles and Potatoes for late crops. Sow Rutabagas and Turnips. Set out Cabbage and Celery plants. Sow Black-eye and Cow Peas, Soja Beans, Buckwheat and Millet.

AUGUST. This is the best month for sowing Turnip, Rutabagas and Winter Radish. Sow Spinach, Kale, Lettuce, Endive, and Corn Salad. Sow Snap Beans and Peas for late crop. Sow Crimson Clover, Vetch, Rape, Winter Oats, Rye and Barley for winter grazing. Set out Celery, Lettuce and Cabbage Plants; also put out Onion Sets.

SEPTEMBER. Sow Lettuce, Early Cabbage and Cauliflower for transplanting. Transplant Lettuce, Cabbage and Celery. Set out Onions, sow Turnips, Kale, Spinach, Winter Radish, Corn Salad and Endive. Sow Lawn Grass and all varieties of Grasses and Clovers. Sow Winter Oats, Rye, Barley, Rape, and Vetch.

OCTOBER. Finish sowing Cabbage, Lettuce, Turnips for Salad, Kale and Spinach. Sow Lawn Grass Seed. Plant Hyacinths, Tulips, and Flowering Bulbs for spring blooming. Finish sowing all varieties of Grass and Clover Seed. Sow Dwarf Essex Rape, Vetch, Oats, Wheat, Rye and Barley.

NOVEMBER. Set out Cabbage, Lettuce, Strawberry Plants and Asparagus Roots. Plant all kinds of Flowering Bulbs for spring blooming. This is the best month for setting out Fruit and Shade Trees. Finish sowing all varieties of Grain and Grass as early in the month as possible. Sow Canada Field Peas.

DECEMBER. Early in the month, plant Irish Potatoes and Canada Field Peas, but plant them deep. Cabbage, Radish, Lettuce and Beets can be sown in hotbeds.

PLANTING MATURITY AND WEIGHT TABLE

This is for field planting, and where plants and roots are stated, it is necessary to have them ready beforehand. The third column indicates the distance that the plants should stand in the rows, and where seed is sown they should be thinned out to this distance. The fifth column indicates maturity from the time plants are planted in the field, or seeds are sown in the field. Also note that the last column is the approximate weight of seeds and not products. Time of planting and maturity is for latitude of Richmond, therefore allowances should accordingly be made for more Northern or Southern climates.

VARIETY.	Time to Sow or Plant.	Distance of the Rows Apart.	Distance of Plants in Rows.	Quantity to Sow or Plant per Acre.	Ready to Use.	No. of lbs. of Seed Per Bu.
Alfalfa	Feb., Mch. & Aug. to Oct. 15th.	Broadcast.	Broadcast.	30 lbs.	May of next year.	60 lbs.
Artichokes—Tubers	Mch. and Apr.	3 feet.	18 inches.	6 to 8 bus.	October.	50 lbs.
Asparagus—Seed	Mch. and Apr.	18 inches.	4 inches.	8 to 10 lbs.	3 years.	60 lbs.
Asparagus—Roots	Feb., Mch., Nov.	2½ to 8 feet.	12 to 15 inches.	4,000 to 7,000.	2 years.	.....
Beans—Dwarf Snap	Apr. to Sept.	2½ to 3 feet.	3 to 4 inches.	50 lbs.	8 weeks.	60 lbs.
Beans—Dwarf Lima	May, June, July.	3 feet.	18 ins. to 2 ft.	20 lbs.	10 weeks.	60 lbs.
Beans—Pole	May and June.	4 feet.	3 feet.	15 lbs.	12 weeks.	60 lbs.
Beans—Navy	June and July.	2½ to 3 feet.	12 inches.	20 lbs.	October.	60 lbs.
Beans—Soja (In drills)	May and June.	3 feet.	6 to 12 inches.	30 lbs.	September.	60 lbs.
Beans—Soja	May and June.	Broadcast.	Broadcast.	75 to 90 lbs.	September.	60 lbs.
Beans—Velvet	May.	Broadcast.	Broadcast.	50 lbs.	Sept. and Oct.	60 lbs.
Beans—Velvet Drill	May.	3 feet.	12 inches.	50 lbs.	Sept. and Oct.	60 lbs.
Barley	Aug. to Nov.	Broadcast.	Broadcast.	50 to 75 lbs.	June.	48 lbs.
Beets—Table	Feb. to Aug.	2 feet.	4 inches.	6 to 8 lbs.	2 months.	.....
Beets—Stock	Apr., May, June.	2½ to 3 feet.	6 inches.	5 to 6 lbs.	October.	.....
Buckwheat	June to Aug. 15th.	Broadcast.	Broadcast.	50 lbs.	October.	48 lbs.
Cabbage Seed—(Early)	Feb., Mch., Apr. and Sept.	Broadcast.	Broadcast.	8 ounces.	May, June, July.	.....
Cabbage Seed—(Late)	May, June, July.	Broadcast.	Broadcast.	6 ounces.	Oct. and Nov.	.....
Cabbage Plants—(Early)	Mch., Apr., Nov.	3 feet.	18 inches.	8,000 to 10,000.	May, June, July.	.....
Cabbage Plants—(Late)	July and Aug.	3 to 3½ feet.	2 to 3 feet.	6,000 to 8,000.	Oct. and Nov.	.....
Carrot	Mch. to June.	2 feet.	3 to 4 inches.	3 to 4 lbs.	60 days.	.....
Celery—Seed	Feb. and Mch.	1½ to 2 feet.	2 to 4 inches.	3 lbs.	November.	.....
Celery—Plants	July and Aug.	4 feet.	6 to 12 inches.	15,000 to 25,000.	November.	.....
Clover—Red and Mammoth	Feb., Mch. & July to Nov. 1st.	Broadcast.	Broadcast.	12 lbs.	June of next year.	60 lbs.
Clover—Alsike	Feb., Mch. & July to Nov. 1st.	Broadcast.	Broadcast.	10 lbs.	June of next year.	60 lbs.
Clover—Crimson	July to Nov.	Broadcast.	Broadcast.	20 lbs.	May of next year.	60 lbs.
Clover—Sweet	Mch. and Apl., Aug. and Sept.	Broadcast.	Broadcast.	15 to 20 lbs.	May.	60 lbs.
Corn—Garden	Apr. to July 10th.	3 to 3½ feet.	12 to 18 inches.	10 to 12 lbs.	2 to 3 months.	44 to 56
Corn—Field (drills)	Apr. to July 1st.	3½ to 4½ feet.	12 to 18 inches.	12 to 14 lbs.	4 months.	56 lbs.
Corn—Field (checked)	Apr. to July 1st.	3½ to 4 feet.	3½ to 4 feet.	10 to 12 lbs.	3 to 4 months.	56 lbs.
Cucumber	Apr. to July.	4 to 5 feet.	2 feet.	2 to 3 lbs.	2½ months.	40 lbs.
Egg Plant—Seed	Feb. and Mch.	Broadcast.	Broadcast.	6 ounces.	3 to 4 months.	.....
Egg Plants	May and June.	3 feet.	3 feet.	5,000 to 6,000.	60 days.	.....
Grass Seed—(Light)	Feb. to Apr. 10th.	Broadcast.	Broadcast.	30 lbs.	June of next year.	14 lbs.
Grass Seed—(Timothy)	*Feb. and Mch.	Broadcast.	Broadcast.	15 lbs.	July of next year.	45 lbs.
Grass Seed—(Lawn)	*Feb. and Mch.	Broadcast.	Broadcast.	60 to 80 lbs.	8 to 10 weeks.	20 lbs.
Kale—Spring	*Feb. to May 1st.	Broadcast.	Broadcast.	8 to 10 lbs.	4 to 6 weeks.	.....
Kale—Winter	Aug. to Nov.	Broadcast.	Broadcast.	3 to 4 lbs.	November.	.....
Lettuce—Seed	Feb. to May.	Broadcast.	Broadcast.	2 lbs.	2 to 3 months.	.....
Lettuce—Plants	Feb. to June and Aug. to Nov.	18 to 24 inches.	8 to 12 inches.	20,000 to 40,000.	2 months.	.....
Muskmelon or Cantaloupe	May and June.	4 to 6 feet.	4 to 6 feet.	2 lbs.	2½ to 3 months.	.....
Melon—Water	May and June.	8 to 10 feet.	8 to 10 feet.	2 lbs.	3 months.	.....
Millet—German	May to Aug. 1st.	Broadcast.	Broadcast.	50 to 75 lbs.	60 days.	50 lbs.
Oats—Spring	Mch. and Apr.	Broadcast.	Broadcast.	50 to 65 lbs.	Last half of June.	32 lbs.
Oats—Winter	Aug., Sept., Oct.	Broadcast.	Broadcast.	65 lbs.	June 20 to July 1.	32 lbs.
Okra	Apr. and May.	2½ to 3 feet.	8 to 10 inches.	4 to 10 lbs.	60 days.	.....
Onions—For large bulbs	Mch. and Apr.	15 to 24 inches.	3 inches.	4 to 5 lbs.	July and Aug.	.....
Onions—For sets	Mch. and Apr.	12 to 18 inches.	.....	30 to 40 lbs.	July and Aug.	.....
Onion—Sets	Feb. to May and Sept. and Oct.	18 to 24 inches.	4 inches.	175 to 200 lbs.	May and June.	32 lbs.
Parsnips	Mch. and Apr.	1½ to 2 feet.	4 inches.	5 to 7 lbs.	October.	.....
Peanuts	May and June.	3 feet.	15 to 18 inches.	25 to 35 lbs.	November.	22 lbs.
Peas—Garden Smooth	Feb. to May.	3 feet.	15 to 18 inches.	100 lbs.	8 weeks.	60 lbs.
Peas—Garden Wrinkled	Mch. to May.	3 feet.	16 to 18 inches.	100 lbs.	8 to 10 weeks.	56 lbs.
Peas—Canada Field	Feb. to May and in November.	Broadcast.	Broadcast.	100 lbs.	June.	60 lbs.
Peas—Cow	May to Aug. 1st.	Broadcast.	Broadcast.	90 lbs.	3 months.	60 lbs.
Pepper—Seed	Feb. and Mch.	Broadcast.	Broadcast.	8 ounces.	July and Aug.	.....
Pepper—Plants	May and June.	30 inches.	18 inches.	10,000 to 14,000.	July and Aug.	.....
Potatoes—Early	Mch. and Apr.	2½ to 3 feet.	15 to 18 inches.	8 to 12 bushels.	June and July.	60 lbs.
Potatoes—Late	June and July.	2½ to 3 feet.	15 to 18 inches.	8 to 12 bushels.	Oct. to Nov.	60 lbs.
Potatoes—Sweet, Plants	May 10, June 15.	3 feet.	18 to 24 inches.	7,000 to 8,000.	September.	.....
Pumpkin	May and June.	8 to 10 feet.	8 to 10 feet.	2 lbs.	October.	.....
Radish	Feb. to May and Aug. and Sept.	Broadcast.	Broadcast.	20 lbs.	24 to 40 days.	.....
Rape	Feb. to Oct.	Broadcast.	Broadcast.	10 to 12 lbs.	6 to 8 weeks.	56 lbs.
Rye	Aug. to Dec.	Broadcast.	Broadcast.	60 to 80 lbs.	June.	56 lbs.
Salsify	Mch. to May 10th.	1½ to 2 feet.	3 to 4 inches.	6 to 8 lbs.	October.	.....
Sorghum—For Fodder	May and June.	Broadcast.	Broadcast.	75 to 100 lbs.	Sept. and Oct.	50 lbs.
Sorghum—(In drills)	May and June.	3 feet.	4 to 6 inches.	20 lbs.	November.	50 lbs.
Spinach—(In drills)	Feb., Mch., Apr. & Aug. to Nov.	15 to 18 inches.	2 inches.	20 lbs.	60 days.	.....
Spinach—(Broadcast)	Feb., Mch., Apr. & Aug. to Nov.	Broadcast.	Broadcast.	40 lbs.	60 days.	.....
Squash	Apr., May, June.	4 feet.	4 feet.	3 lbs.	July.	.....
Teosinte	May and June.	3 to 3½ feet.	8 to 10 inches.	4 to 5 lbs.	Aug. to Oct.	.....
Tobacco—Plants	May and June.	3 to 4 feet.	2 to 3 feet.	4,000 to 5,000.	Sept. to Oct.	.....
Tomato—Seed	Feb. to June.	Broadcast.	Broadcast.	6 ounces.	June 20 until frost.	.....
Tomato—Plants	May to July.	4 feet.	3 to 4 feet.	2,800 to 4,000.	June 20 until frost.	.....
Turnip	July 1 to Sept. 15.	2 feet.	4 inches.	1 to 1½ lbs.	1½ to 2 months.	.....
Turnip—(Broadcast)	July 1 to Sept. 15.	Broadcast.	Broadcast.	2 lbs.	1½ to 2 months.	.....
Vetch—Winter	Aug. to Nov.	Broadcast.	Broadcast.	50 lbs.	May of next year.	50 lbs.
Wheat	Sept. to Nov. 15.	Broadcast.	Broadcast.	75 to 100 lbs.	June 20.	60 lbs.

VEGETABLE SEEDS

ASPARAGUS

CULTURE.—Asparagus Seed can be sown either in the spring or the fall, but we recommend sowing in the spring. It should be sown thinly in rows, one foot apart. When it is up give frequent cultivation until plants are one year old, then transplant to permanent beds, and place the roots 16 to 18 inches apart each way with the crown of the root 4 inches below the surface. Use your best soil for Asparagus. You cannot get it too rich, nor can you use too much manure on this crop.

PALMETTO.—This is the favorite and the earliest variety grown in the South. It is becoming more popular every year with both market and home gardeners. It is adapted to all sections where Asparagus can be grown. It grows to a large size and is very productive. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts. postpaid (by express 50c).

GIANT ARGENTIEUL.—One of the largest French sorts, and is very popular in trucking sections where it has been grown. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.; lb. 75 cts. postpaid (by express 65c).

ASPARAGUS ROOTS.—The quickest, most satisfactory way to grow Asparagus is from the roots. Two-year-old Palmetto Roots, \$1.00 per 100 postpaid. By express, 75 cts. per 100; \$5.50 per 1,000.

ASPARAGUS KNIVES.—Very handy and useful for cutting asparagus, each 45 cts. postpaid (by express, 40 cts.).



BUSH SNAP BEANS

CULTURE.—These can be planted with safety any time from April 1st to September 1st. They do better in light, loamy soil, but will thrive well in any good soil. Sow 3 inches apart in the rows, and have the rows 2½ or 3 feet apart. 2 lbs. will sow 100 feet of drill; 30 to 60 lbs. to the acre.

SHORTAGE OF BEANS.

There never was a time when Seed Beans of all kinds were as scarce as now, which is due to unfavorable weather conditions during the growing Season of 1917, causing entire crop failures of many varieties, in some instances the Seed growers did not get back even the quantity of Seed planted. This has caused a great scarcity and we are therefore unable to offer this Season several varieties we have heretofore sold, and others we can offer only in very limited quantities. Our offers on Beans are made on condition that our stock is unsold on receipt of orders, and our prices are subject to changes. We would also ask that our customers give us the privilege of substituting should we be sold out of the varieties wanted.

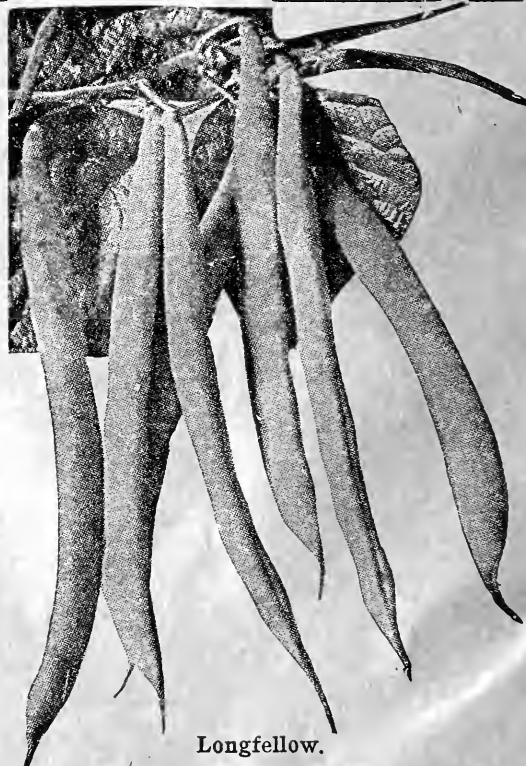


D. & B.'s Improved Early Red Valentine Beans.

Green-Podded Varieties

D. & B.'S IMPROVED RED VALENTINE.—This is decidedly the most popular bean grown in this section for market gardeners and family use. They are ready to pick, 7 weeks after planting. The pods are round, thick and fleshy, of good quality and flavor. Pkt. 10 cts.; per lb. 40 cts. (postpaid 50 cts.); 5 lbs. \$1.85; 10 lbs. \$3.50.

BURPEE'S STRINGLESS GREEN POD.—This is absolutely a stringless bean, and this quality alone puts it ahead of most table beans. The pods break as short and as free as pipe stems. It is also extra early and of splendid table qualities. One of the best sorts for market gardeners and home use. Pkt. 10 cts.; per lb. 40 cts. (postpaid 50 cts.); 5 lbs. \$1.85; 10 lbs. \$3.50.



Longfellow.

Fluvanna Co., Va., Nov. 5, 1917.
The Burpees Stringless Greenpod Snap Beans I bought of you were fine.
Very truly yours,

GEO. R. HUDGINS.

BLACK VALENTINE.—An extra early variety, being a week earlier than the Red Valentine. It is black seeded with round pods, very prolific; of splendid table qualities. Pkt. 10c; lb. 40c (postpaid 50c); 5 lbs. \$1.85; 10 lbs. \$3.50.



Black Valentine.

EARLY YELLOW SIX WEEKS.—An extra early, vigorous and hardy variety for earliest plantings, long, full-meated flat pods of good quality. Pkt. 10 cts.; lb. 40 cts. (postpaid 50 cts.); 5 lbs. \$1.85; 10 lbs. \$3.50.



Prolific Black Wax.

LONGFELLOW.—A valuable green, round-podded variety of the Valentine type, but with longer and straighter pods, very prolific and hardy. It is extra early and a popular sort. Pkt. 10c; lb. 40c (postpaid 50c); 5 lbs. \$1.85; 10 lbs. \$3.50.

GIANT STRINGLESS GREEN POD.—A mammoth podded selection from the original Burpees Stringless, not quite as early, but fully a third larger than its parent. Pkt. 10c; lb. 40c (postpaid 50c); 5 lbs. \$1.85; 10 lbs. \$3.50.

REFUGEE, or 1,000 to 1.—Pods are perfectly round and straight. Is very hardy, and an immense yielder, but is especially recommended for late planting. Pkt. 10 cts.; lb. 40 cts. (postpaid 50 cts.); 5 lbs. \$1.85; 10 lbs. \$3.50.

Wax-Podded Varieties

PROLIFIC BLACK WAX.—The most popular Wax variety for home use. The pods are round and brittle, and of buttery flavor when cooked. Pkt. 10 cts.; lb. 50 cts. (postpaid 60 cts.); 5 lbs. \$2.25; 10 lbs. \$4.00.

IMPROVED DWARF GOLDEN WAX.—An early variety with pods of rich golden color. A good variety for the home garden. Pkt. 10 cts.; lb. 50 cts. (postpaid 60 cts.); 5 lbs. \$2.25; 10 lbs. \$4.00.

POLE or CORNFIELD SNAP BEANS

Plant in May and June in rows 4 feet each way; 5 in hill. Can be planted in corn or by poles, 8 feet high.

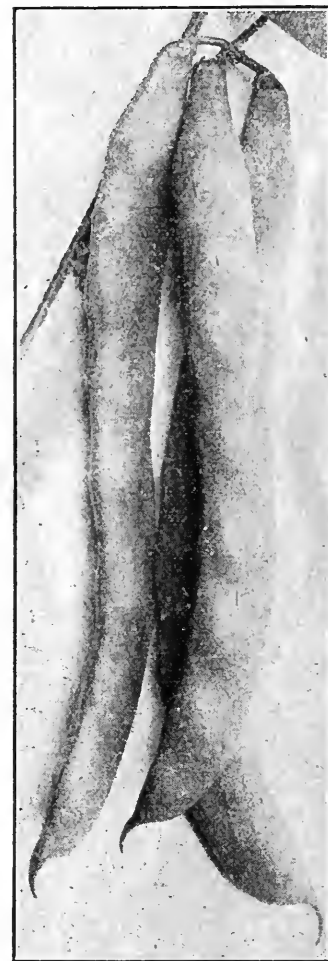
OLD HOMESTEAD, or IMPROVED KENTUCKY WONDER.—The earliest pole bean. It is very productive. Grows in clusters; has long, crisp, tender pods of a bright green color. The most popular pole snap bean. Pkt. 10 cts.; lb. 40 cts. (postpaid 50 cts.); 5 lbs. \$1.85; 10 lbs. \$3.50.

WHITE KENTUCKY WONDER.—Similar to the Old Homestead, but is earlier and covers a longer season of productiveness, and a decided improvement on its parent; being white seeded makes it also a splendid white shell bean. Pkt. 10 cts.; lb. 40 cts. (postpaid 50 cts.); 5 lbs. \$1.85; 10 lbs. \$3.50.

HORTICULTURAL, or WREN'S EGG.—A prolific and hardy pole bean; makes an excellent shell bean, either green or dry; is also a good snap bean if used while young and tender. Pkt. 10 cts.; lb. 40 cts. (postpaid 50 cts.); 5 lbs. \$1.85; 10 lbs. \$3.50.

WHITE CREASEBACK.—A white seeded, round, green pod pole bean; a prolific yielder of excellent quality. Sometimes called White Cornfield Bean. Pkt. 10 cts.; lb. 40 cts. (postpaid 50 cts.); 5 lbs. \$1.85; 10 lbs. \$3.50.

LAZY WIFE.—The pods are produced in great abundance and measure from 6 to 8 inches in length; they are broad, thick, very fleshy and entirely stringless. The pods retain their rich, tender and stringless qualities until nearly ripe, and is splendid in all stages. Each pod contains 6 to 8 round white beans, which makes excellent winter shell beans. They are late to mature, but are valuable to extend the season. This is a splendid bean. Pkt. 10 cts.; lb. 40 cts. (postpaid 50 cts.); 5 lbs. \$1.85; 10 lbs. \$3.50.

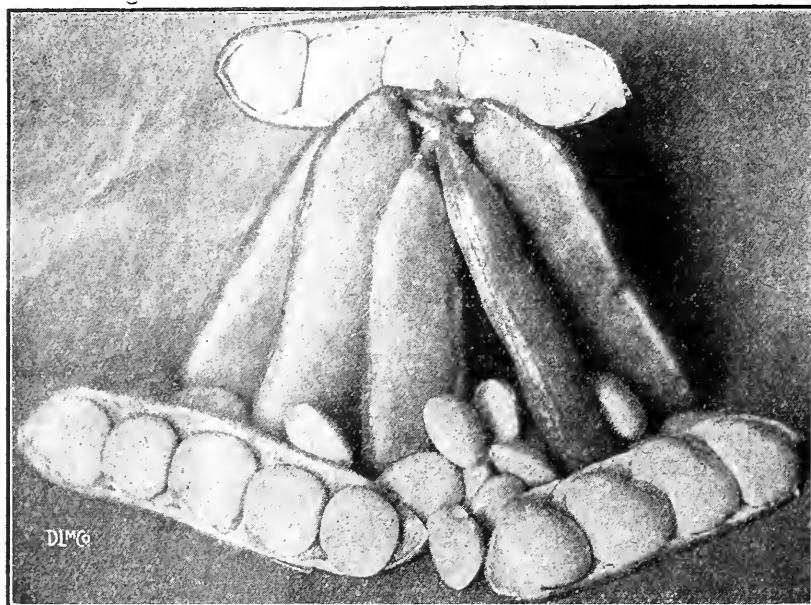


Old Homestead.

PLEASE NOTE.

The U. S. Food Commissioner has requested that all Beans, Peas, Corn, etc., be hereafter sold by weight instead of by measure as heretofore. Therefore we have adopted the cental system in selling Beans and now quote these by weight instead of measure. This system, however, will be found much more convenient to our customers, as well as ourselves:

1 lb. equals about 1 pint 10 lbs. equals about 5 quarts
2 lbs. equals about 1 quart 60 lbs. equals about 1 bushel



Burpee's Fordhook Bush Lima.

POLE LIMA BEANS

Plant in April and May, in hills 3 feet apart, and rows 4 feet apart, and set poles 8 feet high in the hills; plant 4 or 5 beans to the hill.

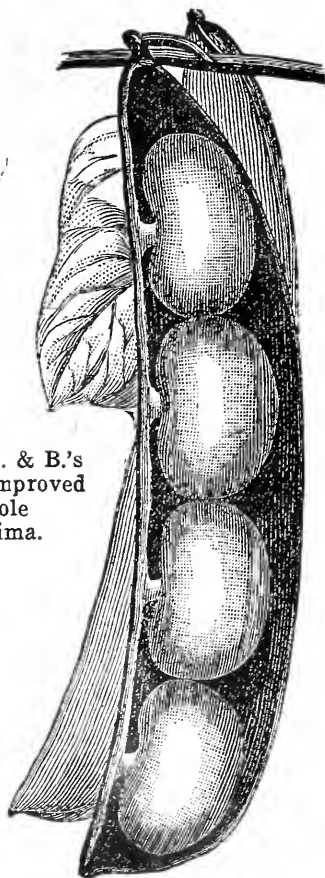
D. & B'S IMPROVED POLE LIMA—Much larger than the Small Lima and earlier and much more prolific than the Large White Lima. Our stock cannot be surpassed. Pkt. 10 cts.; lb. 40 cts. (postpaid 50 cts.); 5 lbs. \$1.75; 10 lbs. \$3.25.

SMALL LIMA, or BUTTER BEAN—Earlier and more productive than the Large Lima. Pkt. 10 cts.; lb. 35 cts. (postpaid 45 cts.); 5 lbs. \$1.65; 10 lbs. \$3.00.

FORD'S MAMMOTH PODDED LIMA—A very large and popular White Lima Bean. Pkt. 10 cts.; lb. 40 cts. (postpaid 50 cts.); 5 lbs. \$1.75; 10 lbs. \$3.25.

LARGE WHITE POLE LIMA—The well known variety; has large beans and pods. A favorite for family use. Pkt. 5 cts.; lb. 35 cts. (postpaid, 45 cts.); 5 lbs. \$1.35; 10 lbs. \$2.65.

D. & B's Improved Pole Lima.



DWARF LIMA BEANS

Plant in April, May or June, in 3-foot rows, 2 beans every 15 inches, ½ bushel to the acre.

BURPEE'S FORDHOOK BUSH LIMA.—A Bush Lima Bean, bearing large pods with 4 or 5 very large, thick beans crowded in the pod. The beans are unsurpassed in flavor and tenderness. We consider this decidedly the best large Lima Bean offered. Plants grow upright 18 to 20 inches high, holding the beans well off the ground. Pkt. 10 cts.; lb. 45 cts. (postpaid 55 cts.); 5 lbs. \$2.25; 10 lbs. \$4.00.

BURPEE'S IMPROVED BUSH LIMA.—Of enormous size and 8 days earlier than the old Burpee's Bush Lima, and the beans are larger and thicker. Pkt. 10 cts.; lb. 45 cts. (postpaid 55 cts.); 5 lbs. \$2.25; 10 lbs. \$4.00.

HENDERSON'S BUSH LIMA.—The original well-known small Bush Lima. It is early, a large yielder and of good flavor. Pkt. 10 cts.; lb. 35 cts. (postpaid 45 cts.); 5 lbs. \$1.65; 10 lbs. \$3.00.

WOOD'S PROLIFIC BUSH LIMA.—A very good medium size bush bean. Larger than the Henderson's Bush and not as large as the Burpee's Bush. Pkt. 10 cts.; lb. 40 cts. (postpaid 50 cts.); 5 lbs. \$1.85; 10 lbs. \$3.50.

BRUSSELS SPROUTS

The Sprouts resemble miniature cabbages, growing closely on the stalk of the plant. The leaves should be broken down in the fall to give the little heads more room to grow. They should be treated in all respects like Winter Cabbage or Kale. Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.



Georgia Collard.

Ford's Mammoth Podded Lima.

COLLARDS

Sow and cultivate like cabbage, and use for greens; also good for stock.

NORTH CAROLINA SHORT STEM.—Large, spreading leaves; very hardy; good flavor. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. \$1.60 postpaid (by express, \$1.50).

GEORGIA, or SOUTHERN.—A very old and popular variety. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 45 cts.; lb. \$1.50 postpaid (by express \$1.40).

Large-Seeded Corn Salad

Sow in early spring in rows 12 inches apart and repeat as desired for succession. May be sown in September, if protected. Cultivate thoroughly and keep well watered. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. \$1.10 postpaid (by express, \$1.00).

Prince Edward Co., Va., April 25, 1917.

I would like to say that all Seeds we have had of you have done remarkably well.

Yours truly,

A. & F. WALKER.

Green Co., Tenn., May 11, 1917.

I like your Seeds and your prompt service.

MRS. BABCOCK.

BEETS

CULTURE.—For very early crop sow in hotbeds in January and February and transplant. Sow outside in drills from March to July, as desired, for medium early or late crop. Drills 2 to 3 feet apart. Use a light, clean, free, and deep soil.

One ounce will sow 50 feet of drill; 7 lbs. to the acre.

EXCELSIOR, or COLUMBIA.—Early, attractive shape, blood red, rich and tender; small tops. Pkt. 5c; oz. 20c; ¼ lb. 55c; lb. \$1.85 postpaid (by express \$1.75).

EGYPTIAN.—A standard extra early variety; favorite with market gardeners; smooth, deep red. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.60 postpaid (by express, \$1.50).

Crosby's Egyptian.

CROSBY'S EGYPTIAN.—Very early strain of the old standard Egyptian; small tops; good shape; popular with the truckers. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00 postpaid (by express, \$1.90).

CRIMSON GLOBE.—Early, rich crimson; perfect globe; smooth and clean. Very attractive, and a general favorite. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. \$2.00 postpaid (by express, \$1.90).

DETROIT DARK RED.—A fine strain of Blood Turnip, but uniform in size, and smooth, medium size, rich, red color, tender, and remaining so for a long time. Good for both summer and fall use; one of the best for home use. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. \$1.60 postpaid (by express \$1.50).

EXTRA EARLY ECLIPSE.—The most popular market beet. Globe shaped, dark and tender; very early. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. \$1.60 postpaid (by express \$1.50).

EDMAND'S EARLY BLOOD TURNIP.—Round, good size; dark red; quality good; one of the best for main crop. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. \$1.60 postpaid (by express, \$1.50).

IMPROVED EARLY BLOOD TURNIP.—Dark red, smooth; uniform; a good variety for home use. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. \$1.60 postpaid (by express \$1.50).

BASTIAN'S EARLY BLOOD TURNIP.—Grows quick and large; of bright red color. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. \$1.35 postpaid (by express, \$1.25).

EXTRA EARLY BASSANO, or SUGAR.

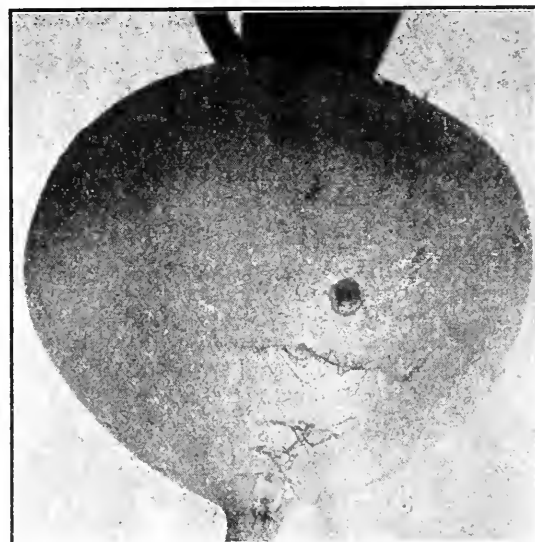
Light color; sweet, tender, and very early. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. \$1.35 postpaid (by express \$1.25).

LONG SMOOTH BLOOD.

Dark red; good sort for main crop. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.60 postpaid (by express, \$1.50).



Crimson Globe.



Extra Early Eclipse.

Mammoth Prize Long Red Mangel.



SWISS CHARD, or SILVER-LEAVED BEET.—Grown for its leaves and stems only. Cook the leaves as you do spinach, and the stems like asparagus. Leaves grow from 20 inches to 2 feet in length. The plant is almost perpetual if kept trimmed; also good for poultry greens. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.

Mangels, or Stock Beets

Sow 6 lbs. to the acre in April, May or June, in 3-foot rows, and cultivate like corn. Should stand 6 inches apart in the row.

DANISH IMPROVED SLUD-STRUP.—Long, reddish yellow; grows well above the ground and easy to pull. It has been awarded a first-class certificate by the Danish Government and is doubtless one of the best mangels. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.10 postpaid (by express, \$1.00).

WHITE SUGAR.—Very hardy variety, producing large crops with little care. The root is very large and very rich in sugar, and while not sufficiently so for sugar purposes, it makes remarkably fine, rich food for stock. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00 postpaid (by express, 90c.).

MAMMOTH PRIZE LONG RED.—Very large, often weighing 20 lbs. or more. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 35 cts.; lb. \$1.00 postpaid (by express, 90 cts.).

GOLDEN TANKARD.—Rich, yellow, well-shaped; good yielder. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 35 cts.; lb. \$1.00 postpaid (by express, 90 cts.).

YELLOW GLOBE.—Does best in light soils. Grows to large size and keeps well. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 35 cts.; lb. \$1.00 postpaid (by express, 90 cts.).

CABBAGE

Sow in January, February and March for spring setting; in April to June for late crop. Sow in September for transplanting in November for very early spring crop. Transplant to good rich, clean soil, in 3 to 4-foot rows, 16 to 18 inches between plants, according to variety, whether large or small growth.

SHORTAGE OF CABBAGE SEED.

The Cabbage Seed crop of 1917 was almost a failure and as a consequence all Cabbage Seed this Spring is in very short supply, especially the Early Jersey and Charleston Wakefield varieties, and as we will probably not have enough of these to go around, we would ask our customers when ordering to substitute other varieties for these wherever possible.

While stocks of all varieties are very limited, we hope to have sufficient quantities to supply our customers their normal requirements.



D. & B.'s Selected Early Jersey Wakefield.

D. & B.'S SELECTED EARLY JERSEY WAKEFIELD.—The most popular early variety for market or family use. Heads hard and solid. Pkt. 10 cts.; oz. 45 cts.; ¼ lb. \$1.50; lb. \$5.10 postpaid (by express, \$5.00).

LARGE, or CHARLESTON WAKEFIELD.—Not quite as early as Jersey Wakefield, but larger, of uniform size and a solid, good shipper. Pkt. 10 cts.; oz. 45 cts.; ¼ lb. \$1.50; lb. \$5.10 postpaid (by express, \$5.00).

COPENHAGEN MARKET.—A very early large flat-head Cabbage, maturing with the Charleston Wakefield. On account of its earliness, combined with its large size, is destined to become a favorite market Cabbage. Pkt. 10 cts.; oz. 40 cts.; ¼ lb. \$1.35; lb. \$4.60 postpaid (by express, \$4.50).

WINNIGSTADT.—Medium early. Makes firm, conical shape, hard heads. Pkt. 5 cts.; oz. 30 cts.; ¼ lb. 85 cts.; lb. \$3.10 postpaid (by express, \$3.00).

EARLY FLAT DUTCH.—Medium early; large, flat, solid heads; a reliable and popular variety. Pkt. 5 cts.; oz. 30 cts.; ¼ lb. \$1.00; lb. \$3.60 postpaid (by express \$3.50).

HENDERSON'S EARLY SUMMER.—Solid round heads; comes in just after Charleston Wakefield. Pkt. 10 cts.; oz. 30 cts.; ¼ lb. \$1.00; lb. \$3.60 postpaid (by express \$3.50).

EXTRA EARLY EXPRESS.—Ready for market a week earlier than any other Cabbage in our list. Good quality, but not very hard heads. Pkt. 5 cts.; oz. 30 cts.; ¼ lb. 85 cts.; lb. \$3.10 postpaid (by express, \$3.00).

D. & B.'S EARLY SPRING.—This is a very early flat-headed cabbage. Coming, as it does, with the Charleston Wakefield, and at the same time producing heads almost as large as the Early Summer makes it one of the best varieties for early market. It has a short stem, is a sure header, and can be planted close together. It has proven to be a money maker for the market gardener. Pkt. 10 cts.; oz. 40 cts.; ¼ lb. \$1.25 lb. \$4.10 postpaid (by express, \$4.).



Succession.

AUTUMN KING, or WORLD BEATER.—This is unquestionably one of the best late cabbages grown in this country. It has been tested along with other varieties, and proven to be not only larger, but more solid, and keeps well. We recommend this cabbage as an excellent fall variety. Pkt. 5 cts.; oz. 30 cts.; ¼ lb. \$1.00; lb. \$3.60 postpaid (by express, \$3.50).

HENDERSON'S SUCCESSION.—One of the largest and most popular Early Flat Head Cabbages. Pkt. 10 cts.; oz. 35 cts.; ¼ lb. \$1.25; lb. \$4.10 postpaid (by express, \$4.00).

ALL HEAD EARLY.—One of the best second early varieties; large deep heads; solid, uniform in color, size and shape. Pkt. 5 cts.; oz. 30 cts.; ¼ lb. \$1.00; lb. \$3.60 postpaid (by express \$3.50).

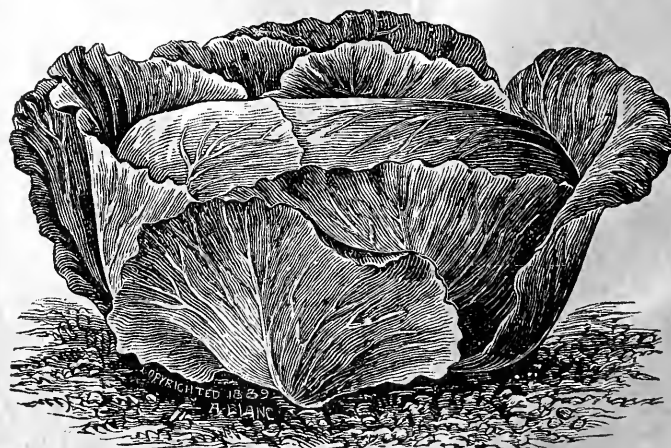
DANISH SUMMER BALLHEAD.—The heads of this cabbage are of splendid shape and are ready early in the season. It is very large, firm and heavy. Pkt. 10 cts.; oz. 40 cts.; ¼ lb. \$1.25; lb. \$4.10 postpaid (by express, \$4.00).

AMERICAN DRUMHEAD SAVOY.—Very tender; good flavor; large heads of superior quality, with curled leaves. Pkt. 5 cts.; oz. 30 cts.; ¼ lb. 85 cts.; lb. \$3.10 postpaid (by express, \$3.00).

SOLID SOUTH.—A good and very popular summer Cabbage. Stands hot, dry weather better than most other varieties. Pkt. 5 cts.; oz. 30 cts.; ¼ lb. \$1.00; lb. \$3.60 postpaid (by express \$3.50).

SUREHEAD.—One of the best for main crop; solid, medium size; late. Pkt. 5 cts.; oz. 30 cts.; ¼ lb. \$1.00; lb. \$3.60 postpaid (by express \$3.50).

ALL SEASONS.—Equally good for fall, winter and summer; large, solid, round heads; good quality. Pkt. 5 cts.; oz. 30 cts.; ¼ lb. \$1.00; lb. \$3.60 postpaid (by express \$3.50).



Autumn King, or World Beater Cabbage.

CABBAGE — Continued

D. & B'S PREMIUM LATE FLAT DUTCH.—Popular winter Cabbage; large, solid, flat heads. Pkt. 5 cts.; oz. 35 cts.; ¼ lb. \$1.10; lb. \$3.85 postpaid (by express \$3.75).

LARGE, LATE DRUMHEAD.—Resembles Flat Dutch, but more round; large, solid; keeps well. Pkt. 5 cts.; oz. 30 cts.; ¼ lb. \$1.00; lb. \$3.35 postpaid (by express \$3.25).

VOLGA.—This is one of the most popular varieties for fall and winter crop. It is intended for late planting only. It can be put out later than most other late cabbages, and will mature early; of uniformly large, round, hard heads. Pkt. 5 cts.; oz. 30 cts.; ¼ lb. \$1.00; lb. \$3.35 postpaid (by express \$3.25).



Danish Ballhead.

Cabbage Plants.—See page 17.

DANISH ROUND HEAD.
—An earlier, but shorter stem type of the Ballhead, is larger and produces more weight per acre. Pkt. 5 cts.; oz. 30 cts.; ¼ lb. \$1.00; lb. \$3.60 postpaid (by express \$3.50).

DANISH BALLHEAD, or AMAGER.—A good variety of winter Cabbage. It has a short stem, large head, and is the hardest and heaviest for its size known. It is very hardy, resisting droughts and wet weather much better than our American Cabbage. It matures quickly and can be planted later than the larger American Cabbages. Pkt. 10 cts.; oz. 35 cts.; ¼ lb. \$1.25; lb. \$4.10 postpaid (by express \$4.00).

CARROTS

Sow from February to June in light, deep rich soil in drills 12 inches apart; plants should stand 5 inches apart in the rows; fertilize well. One ounce of seed to 100 feet of drill, 4 pounds to the acre. To keep for winter, pack in dry sand, and place in a cellar.

CHANTENAY.—One of the best for home or market. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. \$2.00 postpaid (by express \$1.90).

SCARLET INTERMEDIATE.—Large, uniform, symmetrical; almost without core; very popular for home and market. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. \$2.00 postpaid (by express \$1.90).

IMPROVED LONG ORANGE.—Long and tapering; deep orange. One of the best for winter use. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. \$1.85 postpaid (by express, \$1.75).

DANVER'S HALF LONG.—Rich, dark orange colored; good quality. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. \$2.00 postpaid (by express \$1.90).

EARLY SCARLET HORN.—A very early half long Scarlet Carrot, good quality. An old standard; medium size. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. \$2.00 postpaid (by express \$1.90).

LARGE WHITE BELGIAN.—Grown for stock only; enormous size and large yielder. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. \$1.10 cts. postpaid (by express, \$1.00).

CAULIFLOWER

Cultivate like cabbage. Sow in January or February for early crop, or May for late crop. Transplant to moist soil; manure heavily and water freely. When heading begins fasten leaves over top of head to whiten. One ounce of seed makes 2,000 plants.

EARLY SNOWBALL.—A sure header; large, solid, perfectly white, and good quality, the favorite variety. Pkt. 25 cts.; ¼ oz. 75 cts.; oz. \$2.50; ¼ lb. \$9.00.

AUTUMN GIANT.—Valuable late variety; heads large; white and keeps well. Pkt. 10 cts.; oz. 50 cts.; ¼ lb. \$1.50.



Scarlet Intermediate Carrot.

CELERY

Sow in beds in February or March, and keep well watered. Transplant from July to October to moist, mucky soil; 6 inches apart in 12-inch rows. Earth up two or three times. Cover with straw from severe weather, with boards on top. One ounce of seed produces 2,000 plants.

WINTER QUEEN.

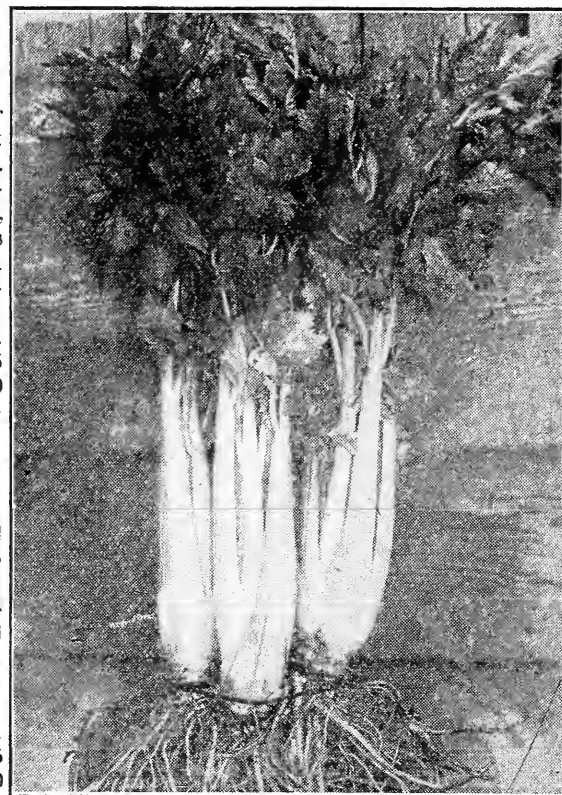
We consider this the best winter Celery. It blanches easily, has a crisp, nutty flavor; is hardy and a splendid keeping variety.

Pkt. 5 cts.; oz. 30 cts.; ¼ lb. 75 cts.; lb. \$2.60 postpaid (by express, \$2.50).

GIANT PASCAL.

Thick, solid stalks, golden hearts; blanches quickly; keeps well; of a good flavor; one of the most popular varieties.

Pkt. 5 cts.; oz. 30 cts.; ¼ lb. 75 cts.; lb. \$2.60 postpaid (by express, \$2.50).



Winter Queen Celery.

WHITE PLUME.—One of the best for early use; handsome, good quality, and blanches easily. Pkt. 10 cts.; oz. 30 cts.; ¼ lb. 75 cts.; lb. \$2.75 postpaid (by express \$2.65).

GOLDEN SELF-BLANCHING.—Not as early as the White Plume, but is of a heavier and more compact growth. Its stalks are thick, crisp and brittle, with large solid hearts. The quality is superb, good flavor, tender and free from stringiness. Pkt. 10 cts.; oz. 60 cts.; ¼ lb. \$2.00.

Celery Plants.—See page 17.

GARDEN CORN

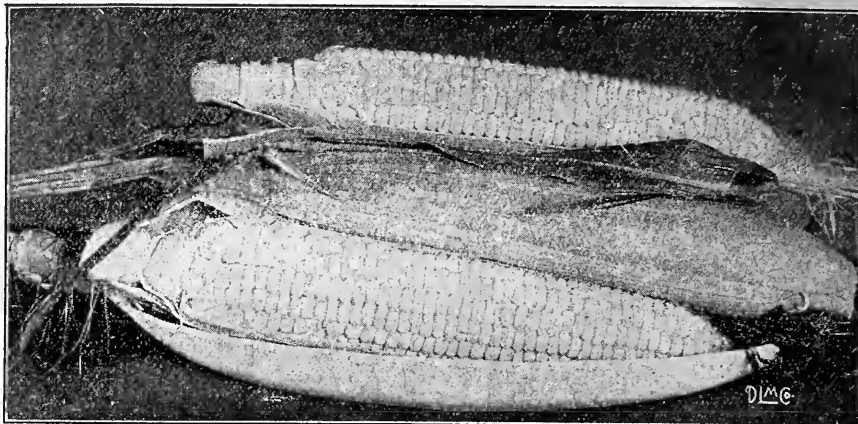
For early market, plant early varieties latter part of March. Sugar Corns should not be planted until April, then at intervals of two weeks for a succession. Sugar Corn planted in July will mature late roasting ears. Plant 4 to 8 quarts to the acre.

SEED CORN BY WEIGHT.

As it has been requested by the United States Food Commissioner, we are now offering Seed Corns by weight instead of by measure as formerly:

1 lb. equals about.....1 pint
2 lbs. equals about.....1½ quarts
10 lbs. equals about.....6 quarts
56 lbs. equals about.....1 bushel

Except all Sweet Corns, which average to the pound about 1½ pints.



Early White Evergreen.

EXTRA EARLY ADAMS.—This is the earliest white Garden corn, but has a small ear and stalk. Valuable on account of its extreme earliness. Pkt. 10 cts.; lb. 30 cts. (postpaid 40 cts.); 5 lbs. \$1.40; 10 lbs. \$2.50; per dozen ears 75 cts.

EARLY ADAMS.—About a week later than Extra Early, but has larger ears; small stalks; earlier and harder than sugar corn. Pkt. 10 cts.; lb. 30 cts. (postpaid 40 cts.); 5 lbs. \$1.40; 10 lbs. \$2.50; per dozen ears, 75c.

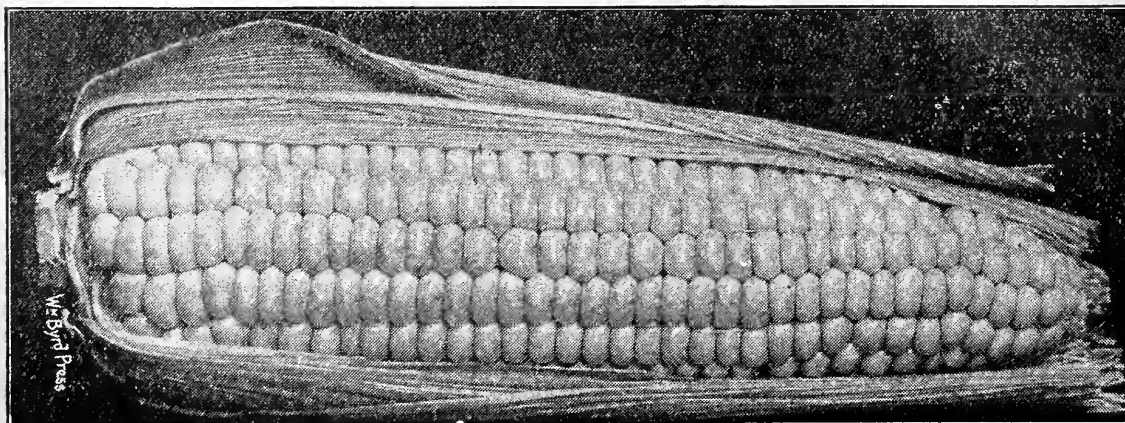
TRUCKER'S FAVORITE.—A splendid early white corn, coming in directly after Adams Early, but much larger; has a deep white, soft grain. Pkt. 10 cts.; lb. 30 cts. (postpaid 40 cts.); 5 lbs. \$1.40; 10 lbs. \$2.50.

D. & B.'s IMPROVED GOLDEN DENT.—This variety is generally considered a Field Corn, but is used very extensively in the North, South and West for roasting ears or table Corn. It is a beautiful golden color when dry, but is of a rich cream color in the roasting ear state. It has a soft grain with a small cob, and moderately early. On account of the scarcity of Garden and Sugar Corn this Season, we recommend this as a splendid substitute. Pkt. 10 cts.; 1 lb. 20 cts. (postpaid 30 cts.); 5 lbs. 60 cts.; 10 lbs. \$1.00; 5 cts. per ear; per doz. ears 50 cts. by express.

Sweet, or Sugar Corns

EARLY WHITE EVERGREEN CORN.—This is a high-bred pure white type of the ever popular Stowell's Evergreen. When in the green state both cob and kernel are white as snow. Deep grains; remains tender a long time, which makes it an excellent table and canning variety. One of the best sorts for private gardeners. Pkt. 10 cts.; lb. 40 cts. (postpaid 50 cts.); 5 lbs. \$1.75; 10 lbs. \$3.25.

GOLDEN BANTAM.—A distinct variety of Extra Early Sweet Corn of golden yellow color, very sweet and tender; is hardy and can be planted earlier than most sweet corns. Has several ears on the stalk 5 to 7 inches in length. Pkt. 10 cts.; lb. 40 cts. (postpaid 50 cts.); 5 lbs. \$1.75; 10 lbs. \$3.25.



Stowell's Evergreen.

STOWELL'S EVERGREEN.—A large size prolific sweet corn of excellent quality. A favorite for market or home use; also a splendid canning variety. Pkt. 10 cts.; lb. 40 cts. (postpaid 50 cts.); 5 lbs. \$1.75; 10 lbs. \$3.25.

KENDELL'S EARLY GIANT.—The ears measure 8 to 10 inches long. It is very prolific, maturing from 60 to 72 days, and commands quick sale in any market. Also a very good variety for home use. Pkt. 10 cts.; lb. 40 cts. (postpaid 50 cts.); 5 lbs. \$1.75; 10 lbs. \$3.25.

COUNTRY GENTLEMAN.—Considered one of the best quality sweet corns for table use and canning; has long, deep grains, and yields 2 to 4 ears to the stalk. A general favorite. Pkt. 10 cts.; lb. 45 cts. (postpaid 55 cts.); 5 lbs. \$2.00; 10 lbs. \$3.75.

EARLY PREMO.—A week earlier and hardier than any other sweet corn. Can be planted earlier than other sweet corns without danger of the seed rotting in the ground. The ears are 8 to 10 rowed, and from 1 to 2 inches longer than Adams, and of fine quality. It is a vigorous grower, stalks about 5 feet high, generally bearing two well-developed ears to a stalk. Pkt. 10 cts.; lb. 40 cts. (postpaid 50 cts.); 5 lbs. \$1.75; 10 lbs. \$3.50.

Pop Corn

All Varieties on the Cob, per doz. ears, 45c by express.

WHITE RICE.—The most popular variety. Pops pure white. Pkt. 10 cts.; lb. 20 cts. (postpaid 30 cts.); 5 lbs. 85 cts.; 10 lbs. \$1.40.

QUEEN'S GOLDEN.—Ears large, handsome yellow; pops white and tender. Pkt. 10 cts.; lb. 20 cts. (postpaid 30 cts.); 5 lbs. 85 cts.; 10 lbs. \$1.40.

MAPLEDALE PROLIFIC.—Very prolific; pearly grains; pops white and tender. Pkt. 10 cts.; lb. 20 cts. (postpaid 30 cts.); 5 lbs. 85 cts.; 10 lbs. \$1.40.

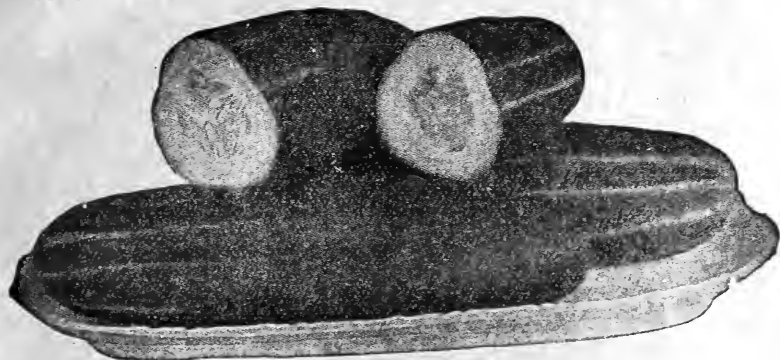
RED BEAUTY.—The red variety of pop corn; very good. Pkt. 10 lb. 20 cts. (postpaid 30 cts.); 5 lbs. 85 cts.; 10 lbs. \$1.40.

POP CORN.—For popping. Per lb. 15 cts. (postpaid 25 cts.); 5 lbs. 70 cts.; 10 lbs. \$1.35.

CORN POPPERS.—A splendid galvanized Corn-Popper, with gun-metal finish; has sliding lid operated with attachment on handle. 45 cts. each postpaid (by express 35 cts.).

CUCUMBERS

For very early crop plant in hotbeds; for later crop plant from April to July in rich, well-manured hills 4 feet apart, 10 seed in hill; thin to two or three plants. One ounce to 50 hills; 2 lbs. to the acre.

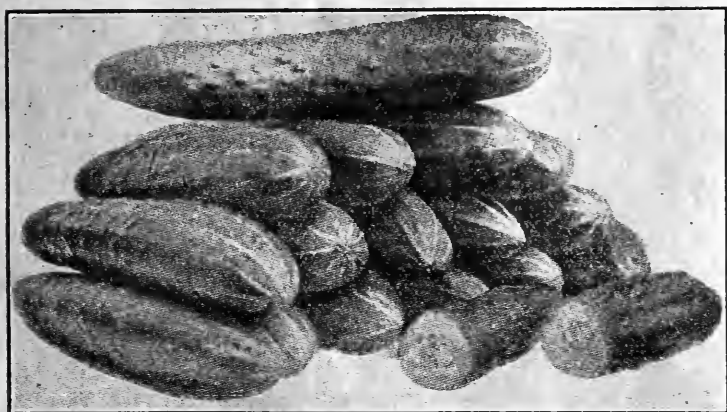


Early Fortune.

EARLY FORTUNE CUCUMBER.—An extra early cucumber of the White Spine type. A beautiful green, straight variety, especially recommended for early market. Our customers who raise this cucumber are highly pleased with it. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.; lb. \$1.10 postpaid (by express \$1.00).

ARLINGTON WHITE SPINE.—A long, well-shaped green variety; one of the best and most popular market sorts. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 35 cts.; lb. \$1.00 postpaid (by express 90 cts.).

HILL'S FORCING WHITE SPINE.—One of the earliest varieties for forcing. Probably the earliest cucumber in our list. Straight, rich green. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. \$1.35 postpaid (by express, \$1.25).



Arlington White Spine.

KLONDYKE.—This variety was introduced several years ago, and is becoming very popular as a market sort. The fruits are long and straight, and hold their deep green color, which makes it a good shipping sort. It is early and very productive. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.; lb. \$1.10 postpaid (by express \$1.00).

IMPROVED LONG GREEN.—Prized for table, market and pickles; dark green, firm and crisp. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. \$1.35 postpaid (by express, \$1.25).

GREEN PROLIFIC.—Very prolific; especially recommended for pickles. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 35 cts.; lb. \$1.00 postpaid (by express 90 cts.).

GHERKIN, or BURR CUCUMBER.—Small, prickly; used for pickles only. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 50 cts. postpaid.

Water Cress, or Pepper Grass

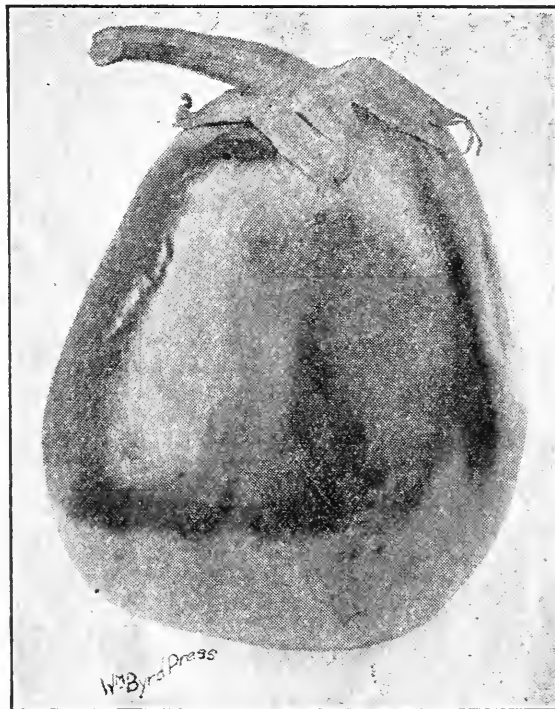
Sow Water Cress in the spring along brooks or in mucky land. Pkt. 10 cts.; oz. 40 cts.

EGG PLANT

Sow in February or March. When 2 inches high transplant to pots or good rich soil, and in May to 3-foot rows in deep, rich loam. One ounce of seed will produce 1000 plants.

BLACK BEAUTY.

This is the earliest and the best of all large fruited Egg Plants. The large fruits are thick and of the most attractive form. The skin is a rich, lustrous, purplish black, and it is entirely free of spine or thorns. Pkt. 10 cts.; oz. 60 cts.; ¼ lb. \$1.75 postpaid.



Black Beauty.

EGG PLANTS.—See page 17.

ENDIVE

GREEN CURLED.—Has fine cut leaves, and gives a mossy appearance when blanched. Sow in August in 18-inch drills, and later thin plants to one foot apart; when large, tie up outer leaves to blanch; water freely. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 50 cts.

HERBS

Sow in spring in shallow drills 12 inches apart. Gather just before blooming and cork in bottles. All varieties, per pkt. 5 cts.

SAGE.—Per oz. 25 cts.; ¼ lb. 75 cts. postpaid.

THYME.—Per oz. 40 cts.; ¼ lb. \$1.25 postpaid.

DILL.—Per oz. 15 cts.; ¼ lb. 40 cts.; lb. \$1.35 postpaid.

AMERICAN FLAG LEEK

Large, thick stems, of sweet flavor. Sow in early spring in light, rich, moist soil. Transplant to 12-inch rows and 6 inches apart. Earth up to whiten necks. One ounce to 100 ft. of drill. Pkt. 5 cts.; oz. 25 cts.; ¼ lb. 75 cts. lb. \$2.50 postpaid (by express, \$2.40).



Kohl Rabi.

KOHL-RABI

EARLY WHITE VIENNA.

White and tender; the best variety. Sow in April in 18-inch drills and thin out to 8 inches. For winter use, sow in June and July. One ounce to 200 ft. of drill. Pkt. 5 cts.; oz. 25 cts.; ¼ lb. 75 cts. postpaid.



Leek.

CANTALOUPE, or MUSKMELON

Plant in hills 5 feet apart in light and rich soil, well manured; 10 seeds to the hill; thin to 4 plants. Cultivate well. Pinch off ends of the vine as they begin to blossom, which will increase the yield. One ounce to 60 hills; 2 lbs. to the acre.

5 lbs. and over, 5 cts. per lb. less.

HONEY DEW MELON.—This Melon was introduced a year or two ago in the West and has caused very favorable comment wherever grown. It is a Melon of medium size and rather oblong in shape, the color while growing is nearly white and is a creamy lemon yellow when ripe. It has heavy, thick flesh of light green color, fine grain and of delicious flavor, said to be a mingling of several flavors, Pineapple, Bananna and Vanilla. It has a tough, thin rind and the Melons can be kept until cool weather. The vines are strong growers and productive. Thy this melon. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1.00; lb. \$2.85 postpaid (by express \$2.75 per lb.).

D. & B'S HANOVER GEM.—This is larger, more uniform in size and shape than the Netted Gem; of unsurpassed quality and, being very solid, is a good market and shipping variety. This melon has brought the highest market prices on the Richmond markets for several seasons. Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.35 postpaid (by express \$1.25).



D. & B's Hanover Gem.

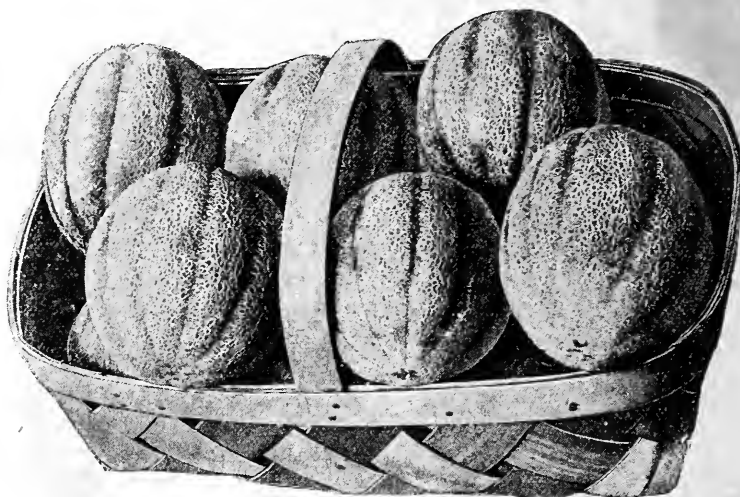
KNIGHT.—About a week earlier than the Rocky Ford; of uniform size, has thick, green flesh, of splendid flavor and appearance. A favorite market variety. Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.35 postpaid (by express, \$1.25).

TIP TOP.—A large, slightly oval melon with orange-colored flesh, which is thick and firm, which makes it a good shipping and market variety. The flesh is sweet and of good quality, and it is one of the most popular orange-colored flesh melons. Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.35 postpaid (by express \$1.25).

D. & B'S OVAL NETTED GEM.—A larger and improved strain of the well-known Netted Gem variety; of most excellent flavor. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.10 postpaid (by express \$1.00).

GENUINE ROCKY FORD NETTED GEM.—Small size, nearly round; thickly netted; nutmeg shape. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.10 postpaid (by express \$1.00).

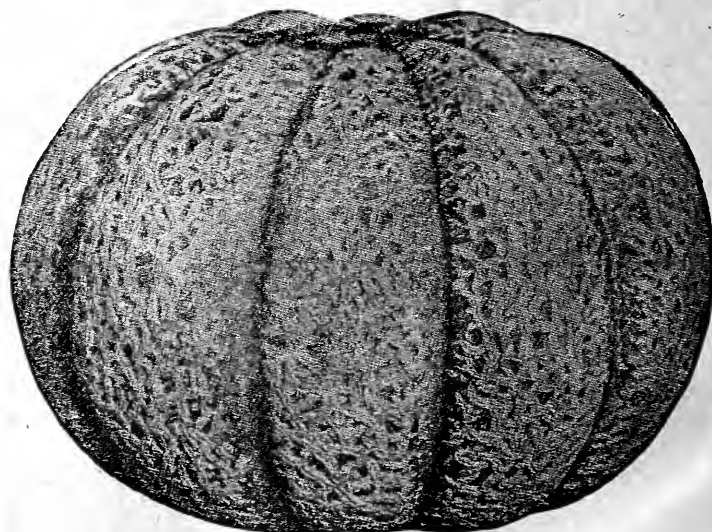
BANANA.—Long, shaped like a banana; has a most delicious odor; good flavor. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25 postpaid (by express, \$1.00).



D. & B's Oval Netted Gem.

ROBINSON'S DELICIOUS GOLD LINED ROCKY FORD.—This strain of the Eden Gem type is the result of several years' selection by one of the most progressive farmers of Rocky Ford, Colo. Its shape is ideal, very slightly oval, no ribs, and it is heavily netted over the entire melon. The bloom button is small and flesh as thick at the end as elsewhere. The melon is thick-meated, fine grained and sweet; color green, with a gold margin next to the seed cavity. Our claim for this melon is its uniform shape, size and very superior quality. Its flesh is attractive and elicits favorable comment when served. Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.35 postpaid (by express \$1.25).

TEXAS CANNONBALL.—A very thickly netted melon which makes it almost sun- and insect-proof. It is very solid, almost all meat; medium early rounded shape, good flavor, and a favorite shipping variety. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.10 postpaid (by express, \$1.00).



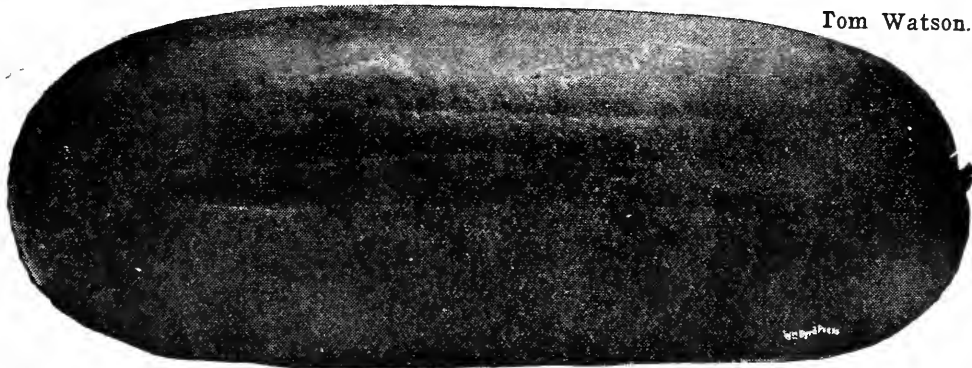
Tip Top.

MIXED CANTALOUPE.—As we have frequent calls for Cantaloupe Seed mixed, we offer a mixture of the leading varieties at—Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 85 cts. postpaid (by express, 75 cts.).

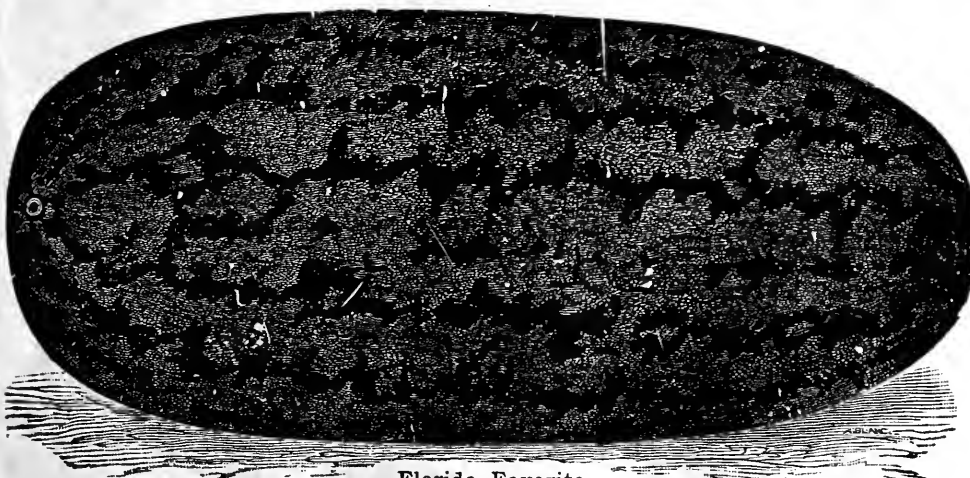
WATERMELONS

Plant in the spring, after all danger of frost; for late crop may be planted as late as June 1st. Cultivate like cantaloupes, except place hills 8 or 9 feet apart. One ounce of seed will plant 30 hills; 2 pounds to the acre.

TOM WATSON.—An early, long, green melon; thin, but tough rind, which makes it the best market and shipping variety. Flesh is a bright red, firm, and very sweet; has taken the lead over all other shipping melons, and sells for the highest prices in the Northern markets. Our stock seed of this melon is unsurpassed. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 80 cts. postpaid (by express 70 cts.).

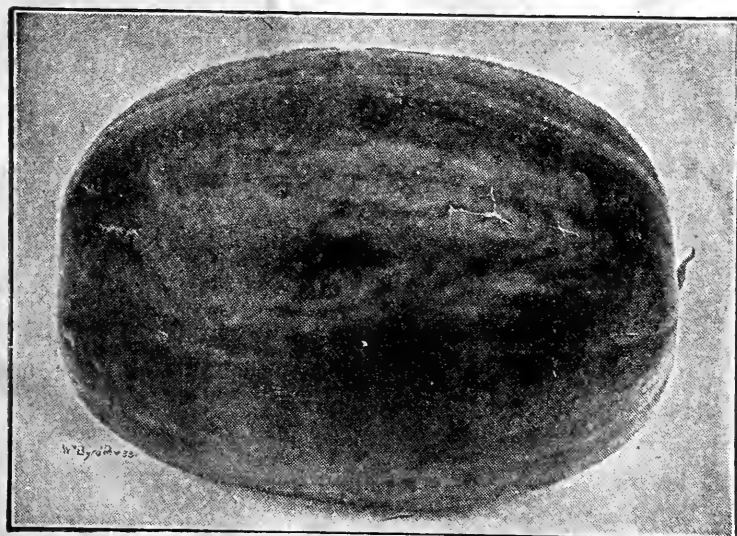


Tom Watson.



Florida Favorite.

KLECKLEY SWEET, or MONTE CHRISTO.—Early, oblong, unsurpassed for home use or near market, but does not bear shipping well. One of the most salable melons on the Richmond market. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 85 cts. postpaid (by express, 75 cts.).



Early Dark Icing.

Preserving Citron-Melon

For making Preserves and Pickles. Solid flesh; long keeper; very productive, and good for stock. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 75 cts. postpaid (by express, 65 cts.).

EARLY DARK ICING.—The melons are medium size, nearly round, dark green rind, thin and brittle. As an early melon for family or nearby market it has no equal. The quality is unsurpassed. For many years this variety has been the first melon offered on the Richmond market. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 85 cts. postpaid (by express, 75 cts.).

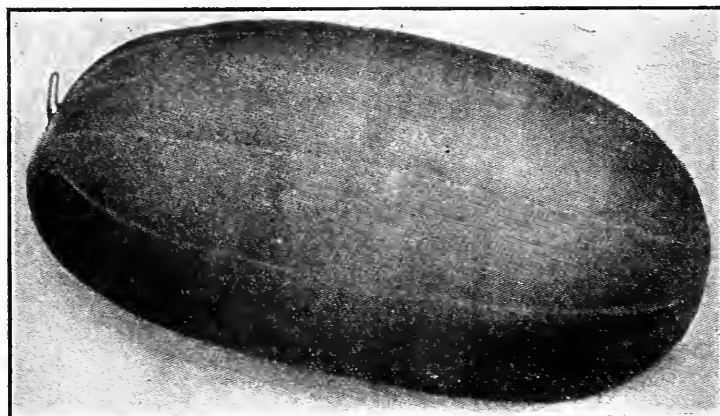
HALBERT HONEY.—This melon is similar, but an improvement over the Kleckley Sweets in that it is larger, hardier, more productive and prettier in shape and color. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 85 cts. postpaid (by express, 75 cts.).

THE JACKSON.—Although a very old variety, it is still very popular in many sections. Early, long, pale green, very tender, crimson flesh, unusually sweet. Splendid for home use, but will not stand shipping. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 70c postpaid (by express 60c).

FLORIDA FAVORITE. Old but popular; dark, long-shaped early melon of excellent quality. A general favorite for family use. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 70c postpaid (by express 60c).

MIXED WATERMELON SEED.—As we have frequent calls for Melon Seed mixed, we offer a mixture of varieties. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 85 cts. postpaid (by express, 75 cts.).

EXCEL.—A large, long, dark green melon, has tough rind and therefore makes a splendid shipping melon. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 85 cts. postpaid (by express 75 cts.).



Kleckley Sweet Watermelon.

Amelia Co., Va., June 9, 1917.

Please send me the following order and I also wish to say to you that I have been using your Seed for five years and I have not had a failure with them yet. I planted 500 hills in your Watermelon Seed and only lost 4 hills. I have 4,000 hills of Cabbage out of a very small quantity of your Seed, no better results could ever been obtained in Seeds I am sure.

Yours truly,

C. L. ROBINSON.

King William Co., Va., January 17, 1917.

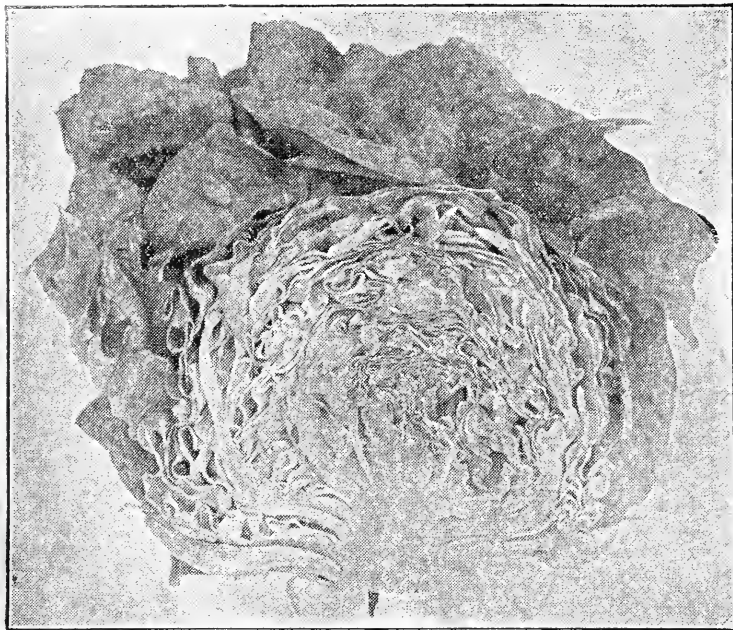
Kindly quote us your price on Tom Watson Watermelon Seed, as we prefer getting our stock from you, as they gave such entire satisfaction last year. With thanks and best wishes, I am

Yours truly,

W. R. BROADDUS.

LETTUCE

For early crop, sow under glass in January; then for succession at intervals of three weeks. Transplant to rich, mellow soil, and keep well worked. Must have very rapid growth to succeed. Two crops can be grown in one season. 1 oz. will produce 1500 plants.



D. & B.'s Big Boston.

D. & B.'S BIG BOSTON.—A favorite variety for market or shipping. Early, large and hardy. Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.35 postpaid (by express, \$1.25).

WAYAHEAD.—This is the earliest and hardiest Lettuce for cold frames or open ground. Is of handsome appearance and good quality. It is not only earlier than the Big Boston, but is also larger than that variety, and the heads are more tightly folded—a favorite with market gardeners. Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.35 postpaid (by express, \$1.25).

MAY KING.—Is of quick growth, nearly all head, having few outer leaves; grows to a good size, and is of a specially fine, rich, buttery flavor. Is a good shipping Lettuce. Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.35 postpaid (by express, \$1.25).

EARLY WHITE CABBAGE.—Very hardy, large, hard head; a splendid variety. Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50 postpaid (by express, \$1.40).

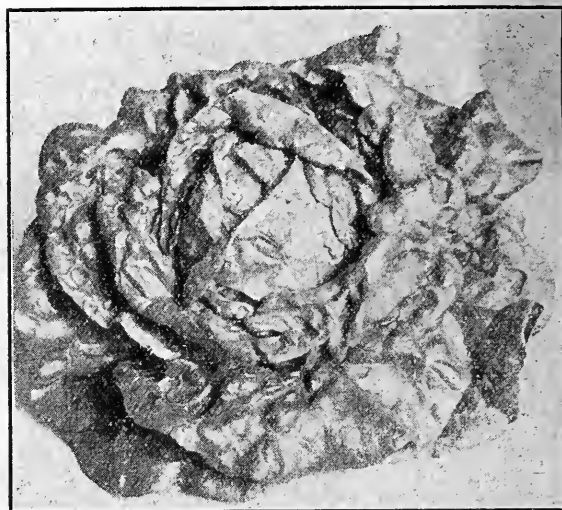
DEACON.—A large, firm heading variety for early summer or late fall use; light green outside, creamy yellow inside, of fine buttery quality. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.10 postpaid (by express, \$1.00).

EARLY CURLED SIMPSON.—Heads up loose and very tender. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.10 postpaid (by express, \$1.00).

UNRIVALLED.—An improvement on the famous Big Boston Lettuce, possessing all the good qualities of this kind, viz., earliness, large size, attractive color. Its additional value lies in the fact that it can be sown almost the whole year round; it resists heat remarkably well; is crisp and solid when other sorts become tough and flabby under the same conditions. Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50 postpaid (by express, \$1.40).

HANSON.—One of the best summer Lettuces. Large, solid, sure header; crisp and tender. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.10 postpaid (by express, \$1.00).

ALL SEASONS.—A favorite summer Lettuce; large, but attractive appearance; crisp and buttery. It is especially recommended for its heat-resisting qualities, preserving its freshness under trying conditions. Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.35 postpaid (by express, \$1.25).



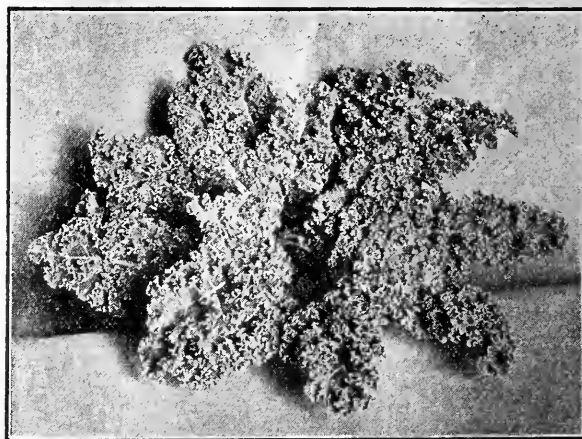
Wayahead.

WHITE PARIS COS.—The best of Celery Lettuces. Forms large, light green, solid, well-folded heads; of upright growth and esteemed for its crispness and mild flavor. Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.35 postpaid (by express, \$1.25).

Lettuce Plants.—See page 17.

KALE

Sow the Siberian in September or October; the Scotch in August or September; Spring or Smooth, in February to April, and September to November. Protect with straw in very severe weather.



Early Curled Siberian Kale.

SPRING, or SMOOTH.—Hardy, quick-growing; best for spring sowing. Sow 10 lbs. to the acre broadcast, or 4 to 5 lbs. in drills. Pkt. 5 cts.; lb. 35 cts. postpaid (by express 25 cts.); 5 lbs. at 20 cts. per lb.

EARLY CURLED SIBERIAN.—A standard winter variety; bright green with purple tinge; curled. Sow 5 lbs. to the acre. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.10 postpaid (by express, \$2.00).

Please send me the following Seeds. I have planted your seeds before, and was very much pleased with them. You certainly do give good measure.

Yours truly,

MRS. SAM JAMES.

Orange Co., Va., May 15, 1917.

The shipment of Seed I recently purchased from you were very nice and fresh looking. I was pleased with all I ordered from you.

Yours truly,

MISS L. PEARL EUBANK.

ONION SEED

Sow in January or February in hotbeds or later in the open. Transplant to 12-inch rows, 5 inches apart, in very rich soil, and cultivate well. Sow six pounds seed to the acre. For sets, sow 20 to 40 pounds to acre in broad rows. Dig and dry when tops die. Use only smaller ones for sets.



Prize Taker, or Spanish King.

SILVER SKIN.—Pure white; of mild flavor; best for growing sets. Pkt. 10 cts.; oz. 40 cts.; ¼ lb. \$1.25 lb. \$4.35 postpaid (by express \$4.25).

LARGE RED WETHERSFIELD.

Medium early; skin purplish red, and flesh purplish white. A general favorite. Pkt. 10 cts.; oz. 35 cts.; ¼ lb. \$1.00; lb. \$3.60 postpaid (by express, \$3.50).

YELLOW DANVERS.—Grows large; keeps well; the standard for main crop. Pkt. 10 cts.; oz. 35 cts.; ¼ lb. \$1.00; lb. \$3.60 postpaid (by express, \$3.50).

EXTRA EARLY WHITE PEARL.—Large, pearly white, tender, mild; excellent flavor; grows quickly; white skin. The best variety for fall setting to make early spring onions. Pkt. 10 cts.; oz. 40 cts.; ¼ lb. \$1.25; lb. \$4.10 postpaid (by express \$4.00).

PRIZE TAKER, or SPANISH KING.—Very large and solid; skin rich yellow; flesh pure white; sweet, mild, tender. Pkt. 10c; oz. 40 cts.; ¼ lb. \$1.25; lb. \$4.60 postpaid (by express, \$4.50).

Amelia Co., Va., Dec. 5, 1917.

The Seed I purchased from you were splendid, and are doing fine.

Yours truly,

MRS. OSCAR THRAVES.

Perquimans Co., N. C., March 31, 1917.

I was highly pleased with the Onion Sets you shipped me, they were very nice ones.

Yours truly,

GEO. W. BARROW.



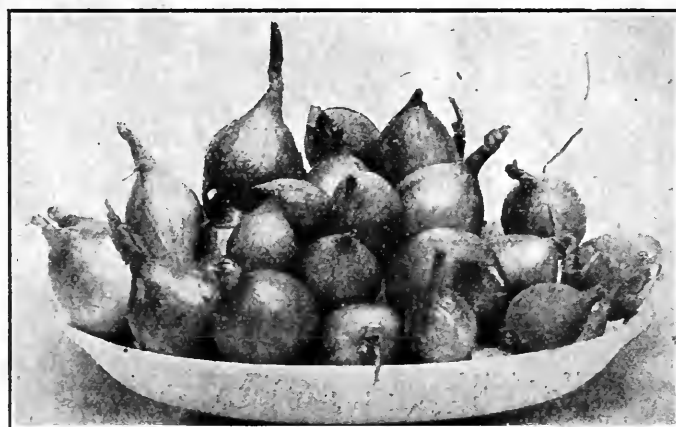
Extra Early White Pearl.

ONION SETS

Plant 4 to 6 inches apart in 12 to 24-inch rows. Plant in spring or fall in fine, rich soil, well manured.

ONION SETS BY WEIGHT.

One Pound equals about one quart.



Onion Sets.

SILVER SKIN.—Per lb. 25 cts. (postpaid 35 cts.); 5 lbs. 85 cts.; 10 lbs. \$1.60.

YELLOW DANVERS.—Per lb. 20 cts. (postpaid 30 cts.); 5 lbs. 75 cts.; 10 lbs. \$1.40.

RED WETHERSFIELD.—Per lb. 20 cts. (postpaid 30 cts.); 5 lbs. 75 cts.; 10 lbs. \$1.40.

EXTRA EARLY WHITE PEARL.—Recommended for Fall planting. Price quoted in season on request.

MUSTARD

Sow from February to April or September and October, broadcast or in drills, 6 inches apart. Cut when about 3 inches high. Sow one ounce seed to 80 feet drilled; 6 pounds to acre broadcast.

SOUTHERN GIANT CURLED.—A favorite in the South; succulent, pungent and sweet. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.; lb. \$1.00 postpaid (by express, 90 cts.).

BLACK, or BROWN.—For salad. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts. postpaid (by express, 50 cts.).

WHITE.—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts. postpaid (by express, 50 cts.).

OKRA

Sow in 3-foot drills and thin out to 8 inches apart. For winter use, slice young pods, string and dry in the shade. Sow one ounce to 50 feet of drill.

PERKINS' MAMMOTH PODDED.

—Very productive; pods intense green; 8 to 9 inches long. Superior for canning. Pkt. 5 cts.; oz. 8 cts.; ¼ lb. 20 cts.; lb. 60 cts. postpaid (by express, 50 cts.).

WHITE VELVET.—Pods large, round, white and smooth, and very abundant. Pkt. 5 cts.; oz. 8 cts.; ¼ lb. 20 cts.; lb. 60 cts. postpaid (by express, 50 cts.).

DWARF PROLIFIC.—Plants small but very prolific. Pkt. 5 cts.; oz. 8 cts.; ¼ lb. 20 cts.; lb. 60 cts. postpaid (by express 50 cts.).

TALL GREEN.—Long pods; grow 4 to 5 feet high. Pkt. 5 cts.; oz. 8 cts.; ¼ lb. 20 cts.; lb. 60 cts. postpaid (by express, 50 cts.).



Okra.

GARDEN, or ENGLISH PEAS

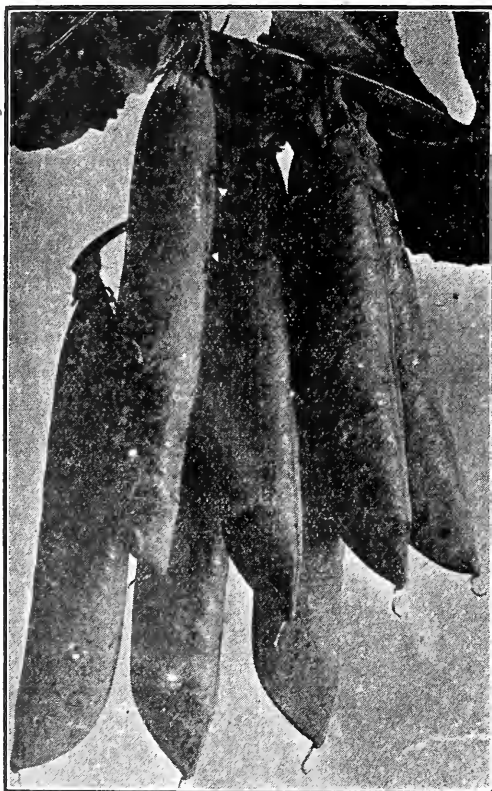
CULTURE.—Plant very early in spring, in 3-foot rows, in light, rich, loamy soil. Cultivate well. For succession plant later every few weeks through the season. Sow 1 lb. to 100 feet of drill; about 100 lbs. to the acre.

D. & B'S SELECTED EXTRA EARLY.—This is the earliest pea on our list. Many of our customers who grow for market say it is the best early pea they have ever grown. It is very productive; grows to a height of 2 feet. Pkt. 10 cts.; lb. 30 cts. (postpaid 40 cts.); 5 lbs. \$1.25; 10 lbs. \$2.25; 50 lbs. \$10.00.

D. & B'S FIRST AND BEST.—This stock is grown especially for us by one of the largest and most careful pea growers in this country. It is an Extra Early, large podded pea; height 2½ feet. Pkt. 10 cts.; lb. 30 cts. (postpaid 40 cts.); 5 lbs. \$1.25; 10 lbs. \$2.15; 50 lbs. \$9.75.

ALASKA.—One of the best extra early peas and becoming more popular each year; very productive and salable. Particularly popular for canning on account of its pale green color. Pkt. 10 cts.; lb. 30 cts. (postpaid 40 cts.); 5 lbs. \$1.40; 10 lbs. \$2.50; 50 lbs. \$11.50.

PROLIFIC EARLY MARKET.—A very large and unusually prolific variety maturing directly after the Extra Early sorts, and before the large wrinkled varieties come in. Height 2½ feet. Pkt. 10 cts.; lb. 30 cts. (postpaid 40 cts.); 5 lbs. \$1.25; 10 lbs. \$2.15; 50 lbs. \$9.75.



Gradus.

Pea. Very hardy and strong grower, producing pods in abundance, and the quality is delicious. This variety will mature as early as many of the smooth extra early Peas; height 3 feet. Pkt. 10 cts.; lb. 30 cts. (postpaid 40 cts.); 5 lbs. \$1.45; 10 lbs. \$2.70; 50 lbs. \$13.00.

PREMIUM GEM.—A favorite early dwarf pea; bears well; good quality. Height 18 inches. Pkt. 10 cts.; lb. 30 cts. (postpaid 40 cts.); 5 lbs. \$1.25; 10 lbs. \$2.35; 50 lbs. \$11.00.

BLISS EVERBEARING.—A good variety, that continues in bearing a long time. A general favorite. Height 3 feet. Pkt. 10 cts.; lb. 30 cts. (postpaid 40 cts.); 5 lbs. \$1.25; 10 lbs. \$2.35; 50 lbs. \$11.00.

D. & B'S IMPROVED DARK GREEN TELEPHONE.—Productive, sugary; pods contain 6 or 7 peas; late; height 4 feet. One of the most popular sorts for main crop. Pkt. 10 cts.; lb. 30 cts. (postpaid 40 cts.); 5 lbs. \$1.35; 10 lbs. \$2.40; 50 lbs. \$11.50.

AMEER, or LARGE PODDED

ALASKA.—A large and prolific strain of the well known Alaska Pea. The size and color of the peas and pod make a very desirable market variety. Is very hardy and prolific. Much in demand with market gardeners. Height 2 feet. Pkt. 10 cts.; lb. 30 cts. (postpaid 40 cts.); 5 lbs. \$1.35; 10 lbs. \$2.50; 50 lbs. \$12.00.

WHITE MARROWFAT.—Strong, hardy; late variety with broad, thick pods; good quality; height 4 feet; abundant bearer. Pkt. 10 cts.; lb. 25 cts. (postpaid 35 cts.); 5 lbs. \$1.00; 10 lbs. \$1.85; 50 lbs. \$9.00.

Wrinkled Varieties

ECLIPSE.—The earliest and hardiest wrinkled variety, and as it is much better quality than the Extra Early Smooth Peas, make it about the best Early Pea for family use; has stout vines about 2 feet high and very prolific. Pkt. 10 cts.; lb. 30 cts. (postpaid 40 cts.); 5 lbs. \$1.25; 10 lbs. \$2.35; 50 lbs. \$11.00.

GRADUS or PROSPERITY.

—The largest early wrinkled pea; vine has heavy stems and grows about 3 feet high. Peas of excellent flavor and remain tender and sweet for some time after they are large enough for use. Best second early variety for family use. Pkt. 10 cts.; lb. 30 cts. (postpaid 40 cts.); 5 lbs. \$1.45; 10 lbs. \$2.70; 50 lbs. \$13.00.

THOMAS LAXTON.—An early variety of large-podded



Ameer, or Large Podded Alaska.

PLEASE NOTE. The U. S. Food Commissioner having requested that all foodstuffs be hereafter sold by weight instead of by measure, we therefore quote Peas by the pound, and as compared to the measure as formerly sold is about as follows:

1 lb. equals about 1 pint.	10 lbs. equals about 5 quarts.
2 lbs. equals about 1 quart.	60 lbs. equals about 1 bushel.

PEPPER



Sow in hot-bed in February or March. Transplant in May to 3-ft. rows, 15 inches apart.

CHINESE GIANT.

This is the largest and finest mild red pepper, being double the size of the Ruby King. It is very productive; plants are vigorous in growth of stocky habit, about 2 feet high. Well branched and thickly set with fruit which hangs in clusters. The flesh is extremely mild, as sweet as an apple and very thick. Pkt. 15c; oz. \$1.00.

PIMENTO.—This is the mildest flavored of all peppers, is entirely free of the pungent flavor which so many consider undesirable; it is heart shaped, perfectly smooth, bright scarlet color, and very productive. Pkt. 10 cts.; oz. 50 cts.

RUBY GIANT.—An improvement over the Ruby King, being much larger. Pkt. 10 cts.; oz. 50 cts.

RUBY KING.—Bright, ruby red; very mild and pleasant, and can be used as salad. Pkt. 10 cts.; oz. 50 cts.; ¼ lb. \$1.75.

LONG RED CAYENNE.—Long, bright red pods; hot; the most popular for seasoning. Pkt. 10 cts.; oz. 50 cts.; ¼ lb. \$1.75.

PEPPER PLANTS.—See below.

VEGETABLE PLANTS

Plants can rarely be shipped the day order is received, as we have to get them in from the gardens. We never ship plants the last of the week unless especially requested to do so, as they would probably lay over in the express office through Sunday. Do not order plants shipped by freight, and do not order them sent by mail if it can be avoided. Express is much quicker, safer and more satisfactory. Plants sent by mail are at purchaser's risk. No charge for packing. Should we be sold out of the varieties ordered, we will send a similar variety instead.

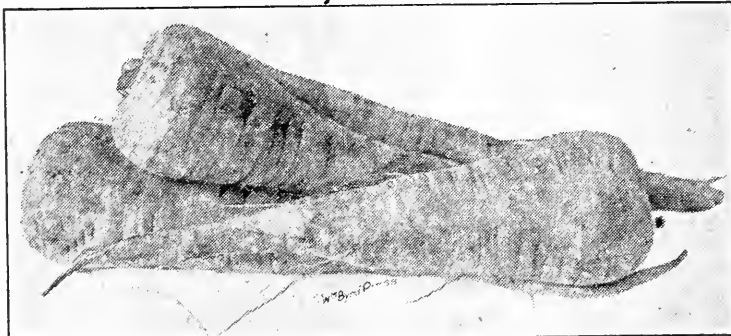
TOMATO PLANTS.—Ready in May, June and July. Varieties; Livingston's Beauty, Bonny Best, Ponderosa, The Stone, Brimmer. Per doz., 20 cts. postpaid; per 100 65 cts. postpaid. By express, 50 cts. per 100; \$4.00 per 1,000. Transplanted plants, same varieties, 25 cts. doz., \$1.25 per 100 postpaid.

CABBAGE PLANTS.—Early varieties ready in March, April, May and November. Varieties: Early Wakefield and Henderson's Succession. Price up to May 1st, 45 cts. per 100 postpaid. By express, 30 cts. per 100; \$2.50 per 1,000. After May 1st, 40 cts. per 100 postpaid; \$2.00 per 1,000 by express. Late varieties: Late Flat Dutch, Autumn King, Drumhead Savoy. Ready June, July and August, 40 cts. per 100 postpaid. By express, 30 cts. per 100; \$2.00 per 1,000.

LETTUCE PLANTS.—Ready March, April, May, October, and November. Varieties: Early White Cabbage and Big Boston. Price, 40 cts. per 100 postpaid. By express, 30 cts. per 100; \$2.50 per 1,000.

PARSNIP

IMPROVED SUGAR, or HOLLOW CROWN.—The standard variety; smooth, tender; good flavor. Sow in spring in 18-inch drills, in rich, deep, sandy loam. Thin out to 5 inches apart. One ounce to 200-foot drill, 5 lbs. to the acre. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. \$2.10 postpaid (by express \$2.00).

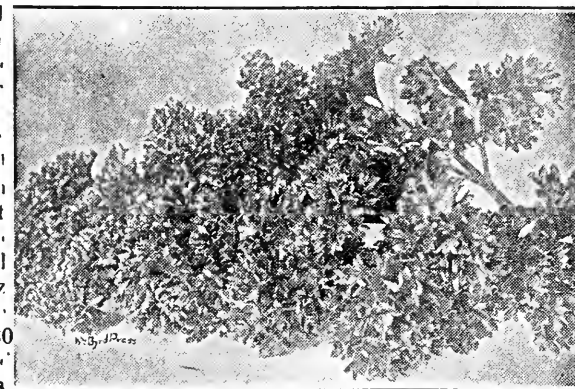


Improved Sugar Parsnip.

PARSLEY

CHAMPION MOSS CURLED.—The leaves of this variety are beautifully curled and crimped.

Best for garnishing, and also makes fine borders. Soak the seed a few hours and sow in rich soil, early in spring, in 1-ft drills. 1 oz. to 150 ft. of drill. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.; lb. 80 cts. postpaid (by express, 70 cts.).



Champion Moss Curled Parsley.

PLAIN, or SINGLE.—Very hardy, strongly flavored; beautiful dark green color. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.; postpaid (by express, 50 cts.).

CELERY PLANTS.—Varieties, Winter Queen, Giant Pascal, White Plume. Ready July and August. Price, 60 cts. per 100 postpaid. By express, 50 cts. per 100, \$4.00 per 1,000.

EGG PLANTS.—Variety, Black Beauty. Ready May and June. Proce. 40 cts. per doz. postpaid. By express, 30 cts. per doz.; \$1.25 per 100. Transplanted Plants—45 cts. per doz. postpaid. By express, 35 cts. per doz.; \$1.50 per 100.

PEPPER PLANTS.—Ready May and June. Varieties, Ruby King, Long Red Cayenne, Chinese Giant. Price 30 cts. per doz.; \$1.25 per 100 postpaid. By express, 25 cts. per doz., \$1.00 per 100. Transplanted Plants—45 cts. per doz. postpaid. By express, 35 cts. per doz.; \$1.50 per 100.

SWEET POTATO PLANTS.—Ready May and June. Varieties, Hanover White Yam, Hanover Yellow. Price, 45 cts. per 100 postpaid. By express, 30 cts. per 100; \$2.50 per 1,000.

ASPARAGUS ROOTS.—Variety, Palmetto. Two-year-old roots. \$1.00 per 100 postpaid. By express, 75 cts. per 100; \$5.50 per 1,000.

RHUBARB ROOTS.—15 cts. each; \$1.25 per doz. postpaid. By express, 10 cts. each; \$1.00 per doz.; \$6.00 per 100.

Augusta Co., Va., May 9, 1917.

I have always found your Seed unexcelled. The Cabbage Plants I bought of you this Spring are fine. Thanking you, I am

Very truly yours,

MRS. J. R. GOOLSBY.

IRISH POTATOES

Selected Seed Irish Potatoes is one of our leading specialties, and we have the most reliable and experienced Potato Growers in Maine to grow our Seed Stock especially for us under their personal supervision. These are grown especially for Seed purposes. Are the best to be obtained, and are far superior to so-called Seed Potatoes offered by many commission merchants and produce dealers at lower prices. We have received many flattering testimonials from our customers who have been planting our Seed Potatoes for years.

There are several good varieties, which we are unable to offer this Season because of the very short supply of choice Seed stock from the Seed growing sections in Maine, where we get most of our stocks, some crops there being not suitable for Seed purposes, but the varieties we offer are choice stocks and will fill any need, whether wanted for market or home use. On account of the unfavorable growing season the Potatoes are not as large as usual, but our stocks are fine, and will give most satisfactory results.

The prices of Potatoes are constantly fluctuating, and the prices quoted here are the ruling prices for January 10, 1918, and are not binding; but we will be glad to quote firm price at any time on request.

Owing to the high cost of barrels, we quote some varieties in heavy 11 peck barrel size sacks.



Irish Cobbler.

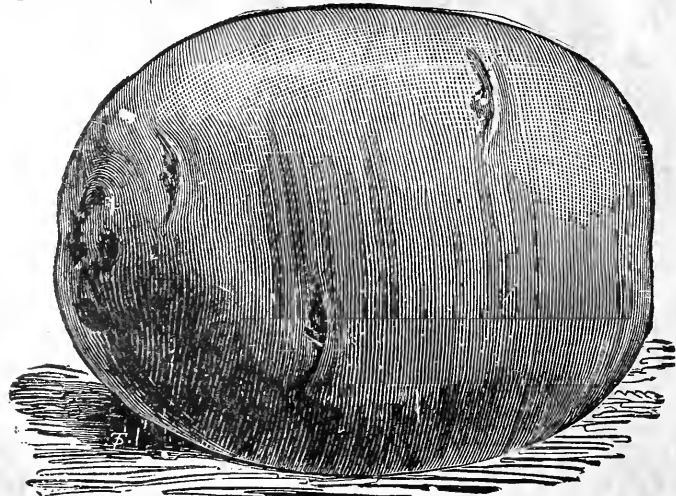
Virginia Grown Seed Potatoes

Our Virginia Grown Potatoes are raised from selected Maine Grown Seed, planted in July and dug in November. They are smoother and smaller than the Maine Grown Seed and will plant more ground per bushel. They are vigorous and hardy and make a better yield than the Maine Grown seed, but are probably not as early. Our stock was grown in light soil in Eastern Virginia, and are sound, smooth, and free from scab.

IRISH COBBLER.—This well known Potato is now more generally grown for early crop than any other variety. Fully 75 per cent of the Potatoes grown in the trucking sections are the Irish Cobblers. It is an extra early, large, white Potato, having very few small potatoes in a hill; hardy and vigorous grower and is recommended for home use as well as for market.

Maine Grown—Peck 80 cts.; bushel \$2.80; 11-pk. sack \$7.00.

Virginia Grown—Peck 75 cts.; bushel \$2.65; bbl. \$6.75.

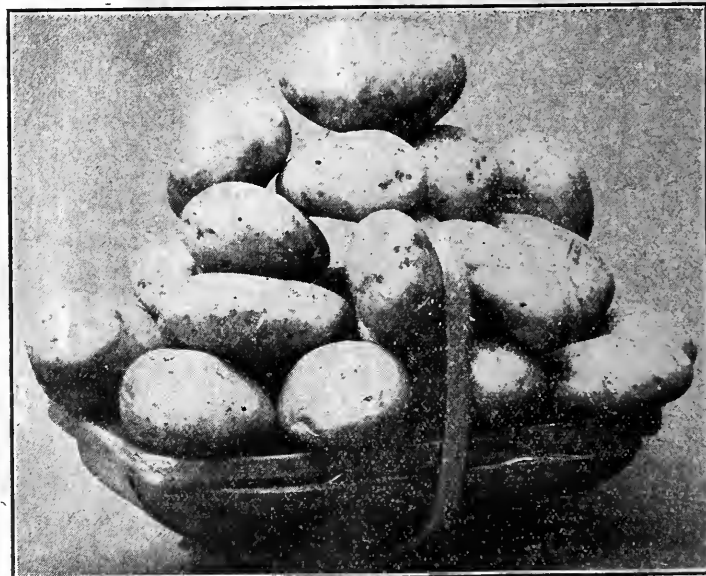


Red Bliss Triumph.

CULTURE.—Irish Potatoes should be planted in the spring, as early as the ground can be prepared, in rich soil; rows 3 feet apart, plants 15 inches apart in row. Manure should be well rotted and mixed with soil to avoid scab. For late crops plant from June to August. We advise the use of sulphur on potatoes when planting. Sprinkle powdered sulphur on the cut tubers, which is a preventive of blight and scab. Many of our largest potato planters always use it, with the best results. One pound is sufficient for one bushel of potatoes. We can supply this at 8 cts. per lb.; 10 lbs. or over at 6 cts. per lb. Barrel prices on application.

RED BLISS TRIUMPH.—An extra early potato, nearly round, pink skin, white flesh, very popular with the Southern truckers who grow potatoes for shipping to Northern markets. Maine grown—Peck 90 cts.; bushel \$3.30; 11-pk. sack \$7.75. Virginia grown—Peck 85 cts.; bushel \$3.00; bbl. \$8.00.

HOULTON EARLY ROSE.—The old reliable, well-known and popular variety. Our stock of this potato is absolutely true to name, and should not be compared with the cheap Western grown stock so generally offered. Maine grown. Pk. 80 cts.; bu. \$2.90; per 11-peck sack, \$7.25.



Green Mountain.

GREEN MOUNTAIN.—A large, handsome, pure white potato, for main or late crop; a prolific yielder and invariably of fine table quality, cooking dry and mealy. It has largely superseded other varieties for late planting. Is also one of the best varieties for main crop, maturing about 2 weeks later than the Irish Cobbler. Maine grown. Pk. 80 cts.; bu. \$2.90; per 11-pk. sack, \$7.00.

Virginia Grown—Pk. 70 cts.; bu. \$2.60; per bbl. \$6.50.

IMPROVED WHITE PEACH BLOW.—One of the old standard and popular varieties; very productive, of good quality and a splendid keeper. Recommended only for late planting. Virginia grown. Price on request.

COLD STORAGE POTATOES.

We will have a nice stock of different varieties of Seed Potatoes, kept on cold storage for late planting. Write for prices in June or July.



Improved White Peach Blow.

Prince George Co., Va., June 21, 1917.
I received the Potatoes all O. K. All the Seeds I have bought from you are doing fine.

Yours truly,
O. A. RICHARDSON.

Prince Edward Co., Va., March 26, 1917.
I received your shipment of Seed promptly, and I am well satisfied with them. I was particularly pleased with the nice Potatoes you sent me, the best Seed Potatoes I have ever gotten. I bought from your house, and will order more from you the next time.

Yours truly,
FRED SIMANSKE.

Fluvanna Co., Va., Nov. 5, 1917.
The Green Mountain Potatoes I bought of you last Fall did remarkably well. I made 26 Bushels to one bushel planted, and the Potatoes, I believe, are even larger and nicer than the Seed were.

Very truly yours,
GEO. R. HUDGINS.

Fluvanna Co., Va., June 2, 1917.
I wish you would ship me a sack of your Green Mountain Potatoes. I have always been pleased with everything I have gotten from your firm.

Yours respectfully,
MRS. A. H. HOLMAN.

Mecklenburg Co., Va., August 4, 1917.
I am very much pleased with the Seed Potatoes you shipped me.

Yours respectfully,
MRS. B. KERNACHAN.

SEED SWEET POTATOES

CULTURE.—Plant in hotbeds in April. Water freely. Transplant in May and June in 3-foot rows 15 inches apart.

We make a specialty of Seed Sweet Potatoes, getting them in fresh from Hanover County every day; and handling them in large quantities as we do, we are enabled to offer them at especially close prices. But prices fluctuate very much, frequently from day to day. Write us for prices when ready to plant.

Seed Sweet Potatoes are very perishable and will not keep very long after being taken out of the cellar, especially in damp or rainy weather. For this reason we cannot carry them in stock, but get them in fresh every day, and make shipments the day we get them in. We ship only good, fresh, sound potatoes, in firm condition, but we cannot guarantee safe arrival of anything so perishable, though we are very careful in packing and shipping them while fresh, but under no circumstances will we be responsible for Potatoes which may be in bad

condition when received, and only under these conditions will orders for Sweet Potatoes be accepted by us.

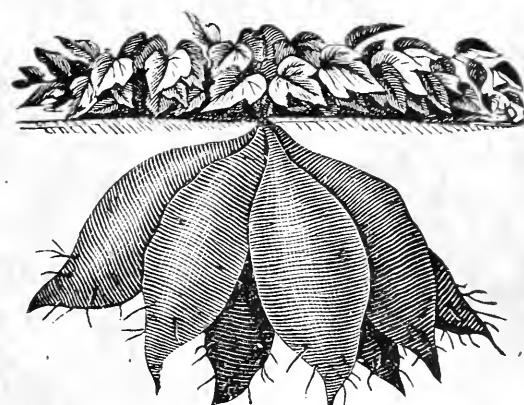
HANOVER YELLOW.

The leading Yellow Potato raised in Hanover County, which is noted for its excellent Sweet Potatoes. It has a rich yellow color, grows to a large size, is unusually productive, and the quality is unsurpassed. Price quoted on request.

HANOVER WHITE YAM.—This is the well-known White Sweet Potato. It grows to a larger size than the Yellow Potatoes, and is much sweeter. This is the best variety to grow on heavy soils. Price on request.

PUMPKIN YAM or NANCY HALL.—Has flesh of golden yellow color, hence its name Pumpkin Yam. It cooks soft juicy and very sweet. Price on request.

SWEET POTATO PLANTS.—See page 17.



Sweet Potatoes.

PUMPKIN

Pumpkins are easy to raise and are very valuable for hogs and cattle, also for table use, and should be more generally grown.

Plant in May and June in rich hills 8 feet apart. When vigorous thin to three plants to the hill. May be planted in corn. 1 oz. to 20 hills; 3 lbs. to the acre.

VIRGINIA MAMMOTH.

A rich, golden color; it keeps well; very large often taking prizes for the largest pumpkin, and it will keep for several months. Probably the best variety for stock. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.; lb. \$1.00 postpaid (by express 90 cts.).

SMALL SUGAR.

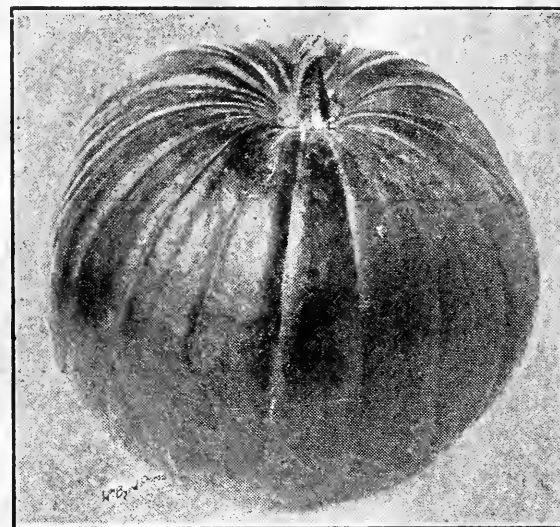
A small but prolific variety, of a yellowish red color; used mostly for table purposes. Oz. 10 cts.; ¼ lb. 30 cts.; lb. \$1.00 postpaid (by express, 90 cts.).

KING OF THE MAMMOTH.—A very large variety, of golden yellow color, and a splendid keeper. Oz. 10 cts.; ¼ lb. 35 cts.; lb. \$1.10 postpaid (by express, \$1.00).

GOLDEN CUSHAW.—Very productive, good for table and stock feeding. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. \$1.35 postpaid (by express, \$1.25).

TENNESSEE SWEET POTATO.—An oblong, medium size pumpkin of good table quality; has a small seed cavity. Oz. 10 cts.; ¼ lb. 35 cts.; lb. \$1.10 postpaid (by express, \$1.00).

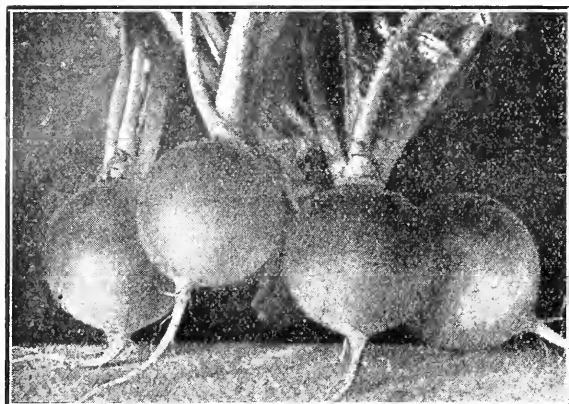
CORNFIELD, or BIG TOM.—The old standard for table and stock. Oz. 10 cts.; ¼ lb. 25 cts.; lb. 85 cts. postpaid (by express 75 cts.).



Virginia Mammoth.

RADISH

CULTURE.—Sow in drills very early in the spring, and later for a succession at intervals of ten days. Must have very rich soil, plenty of moisture, light and ventilation to insure quick, rapid growth. For very early, sow in hotbeds. One ounce to 50 feet of drill; 10 lbs. to the acre.



D. & B.'s Early White Tipped Forcing.

shaped, clean root. On account of its small top, it is largely used for forcing, and very satisfactory for earlier use out of doors. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. \$1.60 postpaid (by express, \$1.50).

EARLY FORCING SCARLET GLOBE.—The earliest radish and one of the best for forcing. Has a very small top, bright red in color, and a very beautiful variety. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. \$1.60 postpaid (by express, \$1.50).

CRIMSON GIANT GLOBE.—A large, early variety; foliage is small and can be planted close. Valuable for the early market. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. \$1.60 postpaid (by express \$1.50).

EXTRA EARLY SCARLET, or RED TURNIP.—Small, round, crisp, tender; tops small; grows very rapidly. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. \$1.60 postpaid (by express \$1.50).

EXTRA EARLY SCARLET OLIVE SHAPED.—A quick-growing, crisp radish, oblong in shape, of excellent quality; a good variety for either market or home garden. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. \$1.35 postpaid (by express, \$1.25).

LONG SCARLET, SHORT TOP.—Long, bright scarlet; fine for forcing. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.35 postpaid (by express, \$1.25).

WHITE STRASBURG.—Large, long, solid; one of the best for summer use. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.35 postpaid (by express \$1.25).

ROSE CHINA WINTER.—Rose colored; flesh white; cylindrical; one of the best winter Radishes. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.35 postpaid (by express, \$1.25).

LONG BLACK SPANISH.—A large, long, black skin radish, with pure white flesh. A hardy fall and winter variety. Flesh is firm and keeps well. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. \$1.35 postpaid (by express, \$1.25).

MIXED TURNIP RADISHES. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50 postpaid (by express, \$1.40).

MIXED LONG RADISHES. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50 postpaid (by express, \$1.40).

D. & B.'S EARLY WHITE TIPPED FORCING

This radish is extremely popular, both for gardeners and private use. The outer skin is of bright crimson color with white tip. Our strain is superior to most stocks offered, making a nice turnip



White Strasburg.

EARLY WHITE TURNIP.—A good early white turnip-shaped radish. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.35 postpaid (by express \$1.25).

FRENCH BREAKFAST.—A white-tipped, olive-shaped sort, and one of the earliest forcing varieties, but should be used while young. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50 postpaid (by express, \$1.40).

GOLDEN GLOBE SUMMER.—Very large, crisp and tender; stands hot weather, and may be planted late. Pkt. 5 cts.; oz. 15c; ¼ lb. 45c; lb. \$1.60 postpaid (by express, \$1.50).

RHUBARB ROOTS

Set out in the early spring or fall in deep, well-worked soil, 4 feet apart each way. Mulch freely with manure or coarse litter. It is best not to use the stalks the first year; but after the first year they may be used freely and will last for years. A dozen roots will be ample for a large family. 15 cts. each; \$1.25 per doz. postpaid. By express, 10c each; \$1.00 doz.; per 100, \$6.00.

RHUBARB SEED.—Pkt. 5 cts.; oz. 25 cts.; ¼ lb. 75 cts.

SALSIFY, or OYSTER PLANT

MAMMOTH SANDWICH ISLAND.—The largest and best variety. Sow in March or April in 18-inch drills. Thin to 6 inches apart. Soil must be deep, light, rich and fine. One ounce to 50 feet; 8 lbs. to the acre. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.60 postpaid (by express, \$2.50).

SPINACH

For summer use, sow early in fertile soil in 18-inch drills. Sow in September and October for winter and spring use. 1 oz. to 100 ft. of drill, 20 lbs. to the acre.

The crop of Spinach Seed was very short this season.

NORFOLK SAVOY, or BLOOMSDALE.—Good for fall sowing; very early; hardy; leaves curled. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.85 (by express, \$1.75).

LONG STANDING.—Leaves thick and fleshy; does not run to seed quickly. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.85 postpaid (by express, \$1.75).

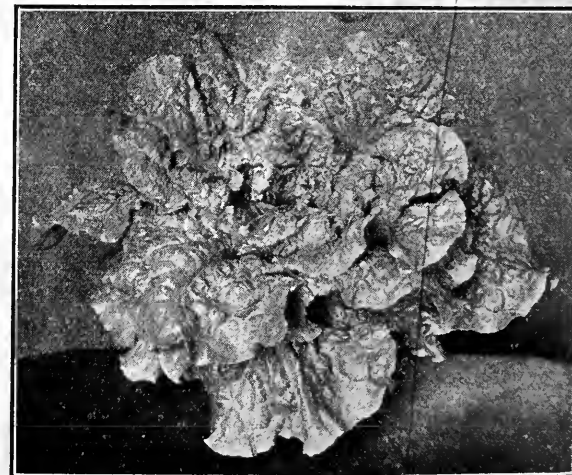
ROUND THICK LEAVED.—Best variety for summer; leaves thick; dark green; good quality. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. \$1.85 postpaid (by express, \$1.75).

NEW ZEALAND.—This is an all Summer variety, growing luxuriantly in the hottest weather. It can be cut and it comes

again. A few plants furnish the finest flavored "greens" all summer for an average family. Sow Seed in March or April where the Plants are to remain. This variety should be in every Southern Garden, as an all summer vegetable. Pkt 10c; oz. 20c; ¼ lb. 60c; lb. \$2.10 postpaid (express, \$2).



Sandwich Island Salsify.

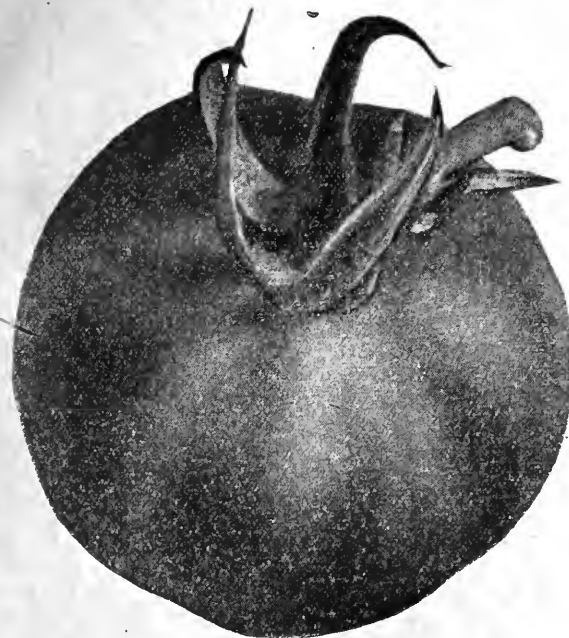


Norfolk Savoy, or Bloomsdale Spinach.

TOMATO

Sow in hotbeds in early spring and transplant when danger of frost is past. Set 3 to 4 feet apart. For very early fruit, grow in small pots under cover, thus placing in open without checking the growth.

JOHN BAER.—An extra early large and smooth, solid bright red tomato. This is the earliest large, solid tomato known, and has proven a most profitable early market variety. Pkt. 10 cts.; oz. 45 cts.; ¼ lb. \$1.50 postpaid.



Livingston's Stone.

JUNE PINK.—An improvement on the Earliana. Is of a beautiful pink color. Very early. Of a good size, smooth and prolific. A profitable sort for market gardeners, but not as good for a main crop as some other varieties. Pkt. 10 cts.; oz. 30 cts.; ¼ lb. \$1.00.

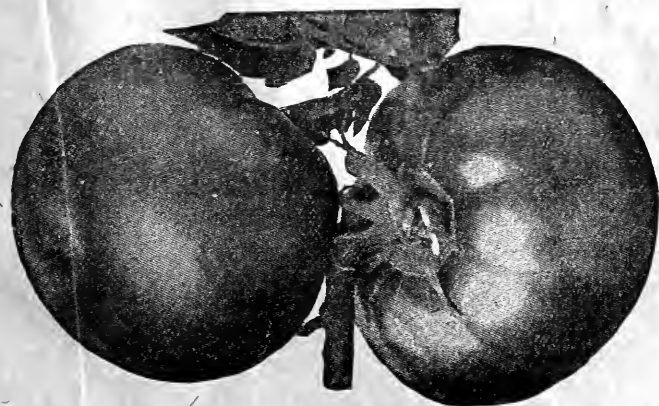
THE BRIMMER.—This tomato is similar to the well-known Ponderosa, but is even larger than that variety. It has strong healthy vines and is very productive. It is not an early variety, but its flesh is solid and meaty, and has very few seeds. A splendid tomato for family use, but most too large for a profitable market sort. Pkt. 10c; oz. 75c; ¼ lb. \$2.00 postpaid.



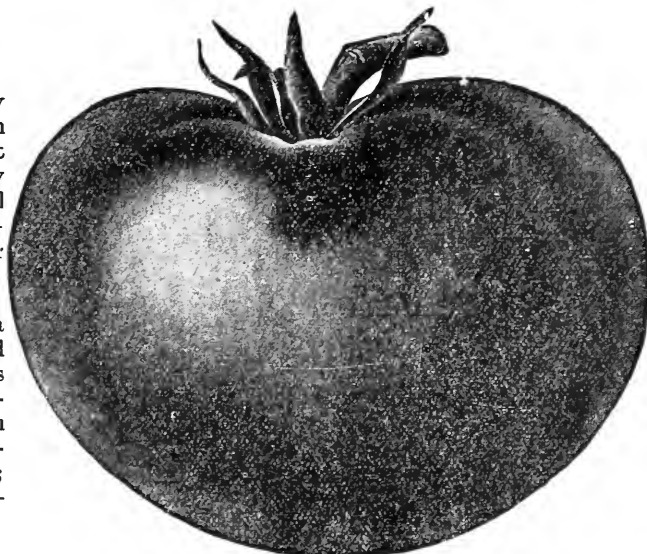
Bonny Best.

TRUCKER'S FAVORITE.—One of the best; large, solid, purple fruit; main crop tomatoes. Pkt. 5 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. \$3.10 postpaid (by express, \$3.00).

BONNY BEST.—An extra early, large, smooth, bright red tomato, a heavy yielder; good market variety. Pkt. 5 cts.; oz. 30 cts.; ¼ lb. \$1.00; lb. \$3.50 postpaid (by express, \$3.40).



June Pink.



John Baer.

SPARKS' EARLIANA.—One of the earliest varieties; bright red and smooth; very productive. Pkt. 5 cts.; oz. 30 cts.; ¼ lb. \$1.00.

I. X. L.—One of the earliest varieties, is very smooth, of good size; bright red color; ripens uniformly. A money-maker as an early tomato. Pkt. 5 cts.; oz. 30 cts.; ¼ lb. \$1.00.

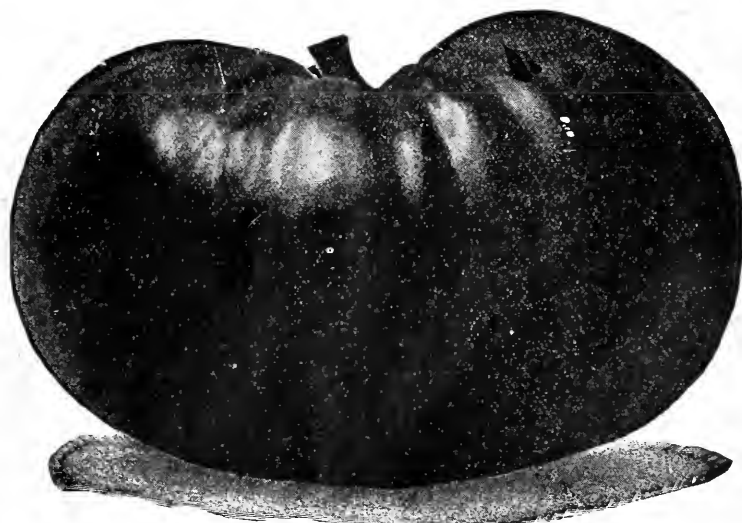
RED ROCK.—A most desirable and profitable variety for truckers and canners. It is an immense yielder, smooth as an apple; very red, heavy and an excellent shipper. Pkt. 5 cts.; oz. 30 cts.; ¼ lb. \$1.00.

PONDEROSA.—A very large and handsome bright red tomato, and especially adapted to family use. Pkt. 10 cts.; oz. 40 cts.; ¼ lb. \$1.25 postpaid.

LIVINGSTON'S BEAUTY.—Large, solid, smooth, purplish pink; an old favorite. Pkt. 5 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. \$3.00 postpaid (by express \$2.90).

EARLY ACME.—Smooth, solid; ripens uniformly; bears till frost; ships well; an old favorite. Pkt. 5 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. \$3.10 postpaid (by express \$3.00).

LIVINGSTON'S STONE.—Large, bright scarlet; firm, uniform, hardy; an excellent shipper; one of the best for the late crop and canning purposes. Pkt. 5 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. \$3.00 postpaid (by express \$2.90).



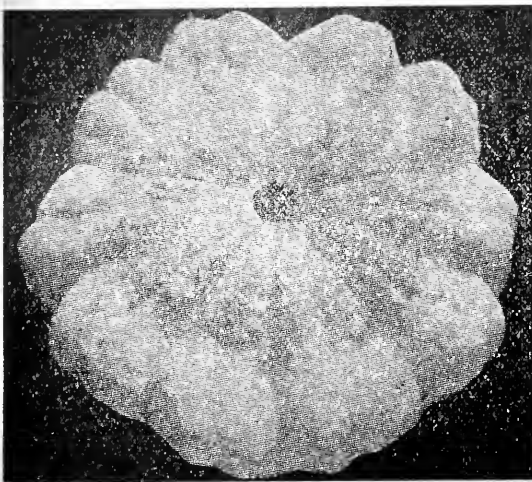
Ponderosa Tomato.

YELLOW PLUM-SHAPED.—Small; for preserves. Pkt. 5 cts.; oz. 30 cts.; ¼ lb. 75 cts. postpaid.

TOMATO PLANTS.—See page 17.

SQUASH, or CYMLING

Plant in hills in warm, fine, rich, fertilized soil. Grow 3 plants to the hill. Plant bush varieties 5 feet apart; running varieties, 8 feet. About 3 lbs. to the acre.



D. & B's Early White Bush Squash.

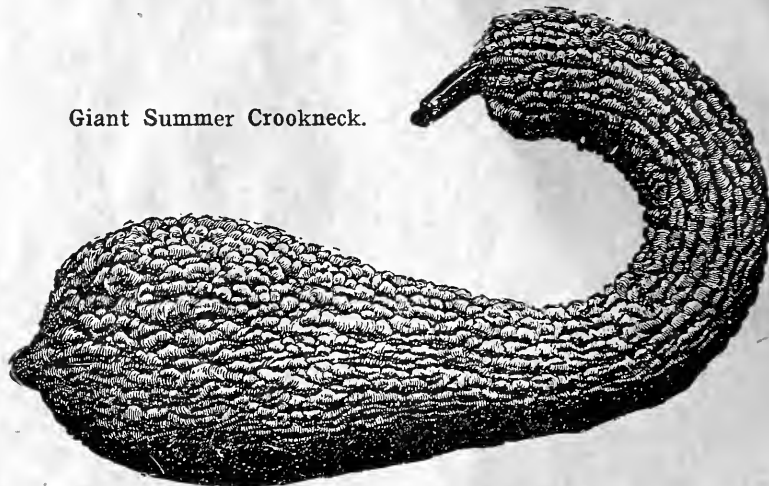
Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.10 postpaid (by express, \$1.00).

D. & B'S EARLY WHITE BUSH.

Early; cream color; very prolific; nice size; good shipper; the most popular variety. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.10 postpaid (by express, \$1.00).

MAMMOTH WHITE BUSH.

Larger and more uniform than the Early White Bush, but later; waxy white color.



Giant Summer Crookneck.

GIANT SUMMER CROOKNECK.—Bush, very prolific; profusely warted; bright yellow squash of good flavor. Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.35 postpaid (by express, \$1.25).

HUBBARD SQUASH.—A running winter squash of first-class quality and a splendid keeper. Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.35 postpaid (by express, \$1.25).

BOSTON MARROW.—Oval; flesh orange color; fine grained; cooks rich and dry; keeps well. Running variety. One of the best for winter. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.10 postpaid (by express, \$1.00).

TOBACCO

Every one of our Tobacco Seed are grown on farms which comprise nearly 2,000 acres of the best Tobacco land in the Tobacco Belt. They are grown under improved scientific methods by reliable men under the supervision of a Tobacco Grower of many years' experience. We offer no light, cheap Seed for sale—the Seed we offer are saved from only the topmost pods of the best plants, cleaned of all filth and imperfect Seeds and no pains nor expense is spared to give our customers the very best Tobacco Seed that can be had at any price.

Sow in February and March in a rich and perfectly clean bed, from which all seeds and insects have been destroyed by firing. Protect from flies and transplant about June to highly fertilized soil, $3\frac{1}{2}$ to 4 feet each way. Cultivate thoroughly and guard well against suckers and worms.

WARNE.—A splendid variety for bright yellow wrappers. Grows to a larger size and holds itself up well. The leaf is large, of medium breadth and very fine grained. It is tough, silky and makes one of the best varieties grown if properly managed. Comparatively new, but already very popular. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.00 postpaid.

IMPROVED LONG LEAF GOOCH.—In this variety we have our ideal Tobacco for Eastern North Carolina and South Carolina, and a portion of Georgia. It is an ideal variety for Sandy Soils, grows unusually large, produces large, broad leaf of No. 1 quality, cures well, brings a good price, and makes more pounds to the acre than most varieties. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.00 postpaid.

IMPROVED YELLOW ORONOKO.—Developed by careful, continuous selection from the Old Standard Yellow Oronoko, which has been more extensively planted for the Yellow Type than any other. Its growth is large, but erect, its leaves are large but of the finest texture. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.00 postpaid.

BLUE PRYOR.—The genuine James River favorite; in fact, a general favorite wherever grown, and commands good prices. Rich shipper, and is superior to the Kentucky Blue Pryor. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.00 postpaid.

SWEET, or LITTLE ORONOKO.—This is a very superior Oronoko Tobacco; the leaf is long, with a good breadth, has a small stem and very fine texture, used for first-class plug fillers and makes when suncured, the best natural chewing leaf on account of its sweetness. It is a general favorite for the "Home-spun" wherever known, especially liked by some for its earliness and ability to stand upon the hill for some time without becoming over-ripe. In all respects an ideal manufacturing Tobacco. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.00 postpaid.



KENTUCKY YELLOW.—An extra large and very superior variety which is extremely popular in the West. The leaf is unusually large, but of surprisingly fine texture when size is taken into consideration. Its large size, handsome shape, and excellent quality are certain to give it a yearly increase in popularity. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.00 postpaid.

BIG HAVANA.—A hybrid Havana or Cuban seed-leaf. A heavy cropper of fine texture, delightful flavor and earliest cigar variety to mature and ripen. Will make two crops from one planting in the South, while its earliness makes it most desirable for high latitude. The best Americanized Havana. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.00 postpaid.

IMPROVED ONE SUCKER.—Plants grow to medium large size, the leaf medium size, fine grained and of excellent quality. On light, gray soil this will make a good, bright tobacco, but is especially adapted to make a dark, heavy export tobacco. Long noted for its unusually small growth of suckers. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.00 postpaid.

BIG ORONOKO.—The leaf is large, broad, of handsome appearance, cures well and possesses a great deal of weight and body. For strips and dark wrappers it has no superior. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.00 postpaid.

WHITE BURLEY.—A large, broad leaf, light colored tobacco with thick, porous leaves; raised extensively in Kentucky and is a prime favorite in Virginia on account of its porous quality; recommended for fillers. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.00 postpaid.

TURNIP

CULTURE.—Sow Ruta Bagas from June to August in drills 3 feet apart; thin out to 6 inches. Sow Turnips from July to October for turnips and salad; 1 to 1½ lbs. per acre in drills; 1½ to 2 lbs. broadcast. For salad 3 to 4 lbs. broadcast. Can be sown in spring for summer use.

IMPROVED AMERICAN RED TOP WHITE GLOBE.

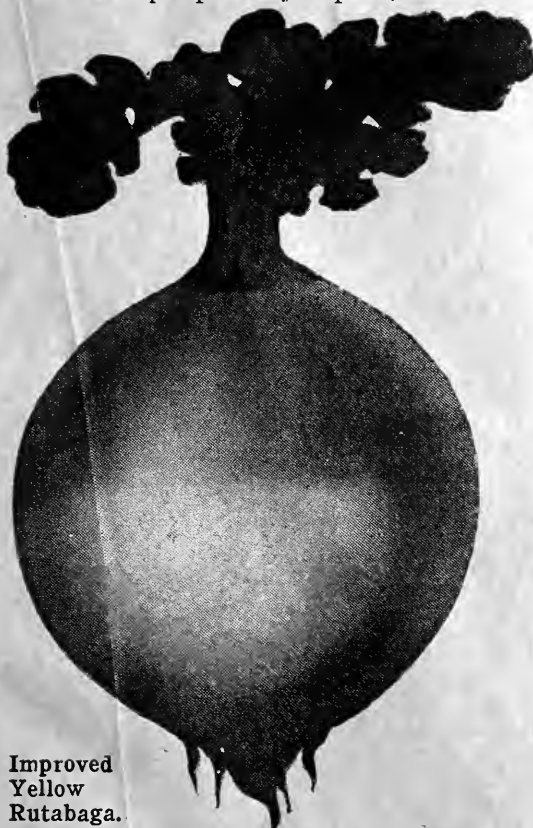
—The most popular turnip for market and table use. Our stock of this turnip cannot be surpassed; many turnips were produced from our stock weighing over 8 lbs. each. None for spring delivery.

LARGE WHITE NORFOLK.—Popular for stock for market, and for salad. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. \$1.50 postpaid (by express \$1.40).

EARLY WHITE FLAT DUTCH (Strap-Leaved).—Pure white flat growing variety. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. \$1.50 postpaid (by express \$1.40).

WHITE EGG.—Oval; pure white; thin skin; grows rapidly. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. \$1.75 postpaid (by express, \$1.65).

POMERANIAN WHITE GLOBE.—A large, white, globe-shaped variety for main crop. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. \$1.50 postpaid (by express, \$1.40).



Improved Yellow Rutabaga.

EXTRA EARLY PURPLE TOP MILAN.—The earliest variety of turnip. Medium size, flat, with purple top. Valuable on account of its extreme earliness. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. \$2.00 postpaid (by express, \$1.90).

LARGE YELLOW, or AMBER GLOBE.—Reliable main crop variety for stock or market. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. \$1.35 postpaid (by express, \$1.25).

YELLOW ABERDEEN.—Splendid for stock. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. \$1.35 postpaid (by express, \$1.25).

EARLY RED, or PURPLE TOP (Strap-Leaf).—A desirable early variety for home or market. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. \$1.60 postpaid (by express \$1.50).

LONG WHITE COWHORN.—A good variety for the table and stock feeding. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. \$1.60 postpaid (by express, \$1.50).



Early White Flat Dutch. Amber, or Yellow Globe.

Early Red, or Purple Top.

Large White Norfolk. Improved Red Top White Globe.

SOUTHERN PRIZE.—Very hardy, stands cold; especially recommended for salad or stock. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. \$1.60 postpaid (by express, \$1.50).

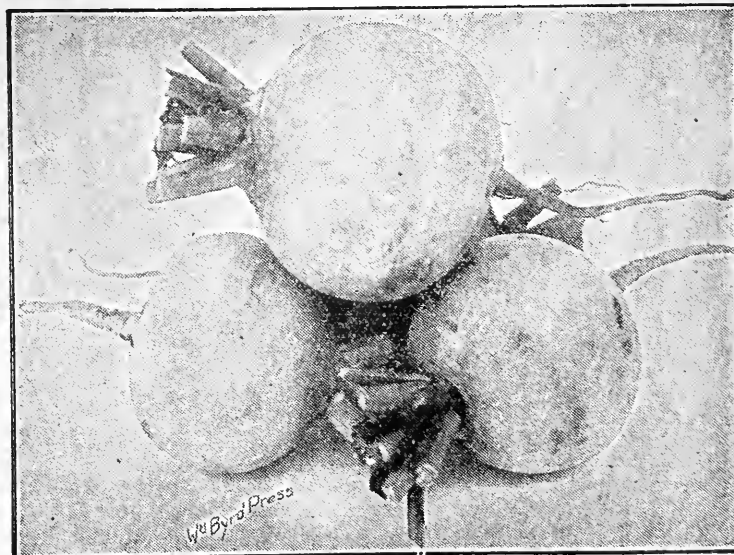
SEVEN TOP.—For salad only, roots being of very little value; very hardy. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. \$2.10 postpaid (by express \$2.00).

MIXED TURNIP SEED.—As many of our customers prefer to sow turnips of several varieties together, we offer these in mixture of the best leading varieties. Pkt. 5 cts.; oz. 15 cts.; lb. \$1.35 postpaid (by express, \$1.25).

IMPROVED AMERICAN PURPLE TOP YELLOW RUTA BAGA.—The best variety for table and for stock feeding. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. \$2.10 postpaid (by express, \$2.00).

MATHEWS CO., VA., June 17, 1916.

My crop from your Improved Purple Top White Globe Turnip last Winter was a wonder. The Turnips grew until the middle of December, and I gathered six that weighed 33 lbs., and my whole crop was of a large size. I fed 13 head of cattle on them all through the Winter, and no trouble was experienced, and when the Turnips gave out I fed on Cotton Seed Meal and Mill Feed, which did not give any better results. Yours truly, A. ST. CLAIR BUTLER.



Pomeranian White Globe.

FLOWER SEEDS

All Flower Seeds priced at 5 cents per packet are 6 packets for 25 cents; or 25 packets for \$1.00; 10-cent packets are 3 for 25 cents; or 13 for \$1.00, postpaid. Your own selection.

We have endeavored to make our list of Flower Seeds as complete as possible by a judicious selection of the best sorts, so that our customers would not get bewildered among a labyrinth of varieties, many of which are of no special merit.

We do not index our different varieties of Flower Seeds, but all varieties are arranged alphabetically and can therefore be easily found. The letter "A" after the name of the flower indicates that the flowers are annuals and blossom only the first year it is planted, and the seed should be planted each year. The letter "P" indicates that the variety is a Perennial and comes up and blossoms for several years after sowing.

For Climbing Vines and Flowers, see page 31.



ACROCLINIUM—Everlasting (A).

A very pretty, half hardy annual, producing white and rose-colored double daisy-like flowers, about 1½ inches in diameter. These are the "Immortelles," so desirable for wreaths and winter bouquets. Height, 15 inches. Mixed Colors—Pkt. 5c; oz. 30c.

AGERATUM (A).

A beautiful hardy annual. The flowers are borne in dense clusters and are very useful for bouquets. The plants are very attractive in the garden being covered with bloom nearly all summer. Mixed Colors—Pkt. 5 cts.



Antirrhinum—Snapdragon.

ALYSSUM (A)

A hardy annual which begins to flower when very young, and is literally covered almost all the season with its sweet white flowers. It is especially adapted to borders or for rock work in the summer, and may be used effectively in window boxes for winter blooming.

Little Gem—This is the prettiest variety, being so dwarf and full of bloom that it has been aptly named "The Carpet of Snow." Four inches high. Pkt. 5 cts.; oz. 40 cts.; ¼ lb. \$1.00.

Sweet—The old garden favorite familiar to all. Being of trailing habit, it is better than the Little Gem for rockeries or window boxes. Pkt. 5 cts.; oz. 30 cts.; ¼ lb. 85 cts.

AMARANTHUS (A).

These plants afford brilliant contrasts of color, being useful for tall borders and groups, also where foliage effects are desired. The leaves and stems are of different shades of red, blended with green; two to three feet high.

Caudatus (Love Lies Bleeding).—Light yellowish green foliage; long, drooping crimson flower spikes. Pkt. 5 cts.

Tricolor (Joseph's Coat).—A hardy annual with leaves of red, yellow and green; especially brilliant if grown in rather poor soil. Pkt. 5 cts.; oz. 30 cts.

ANEMONE—Wind Flower (P)

St. Brigid.—These are hardy perennials, blooming in the spring or fall, producing semi-double, large poppy shaped flowers (2 to 3 inches across) in attractive colors. Mixed—Pkt. 10 cts.; oz. \$1.25.

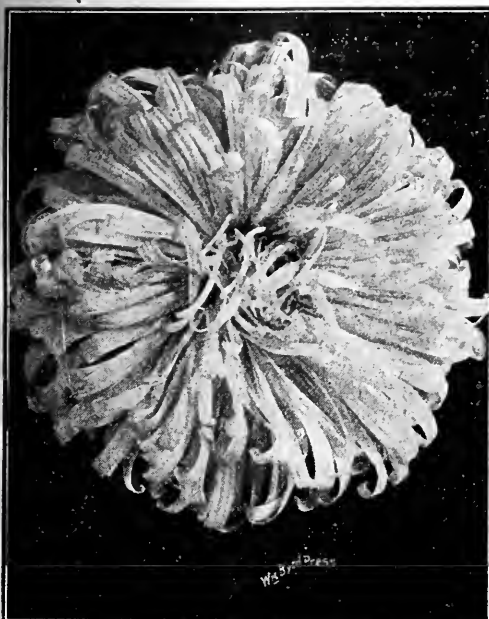
ANTIRRHINUM—Snapdragon (A).

Well known, showy and useful border plants, producing flowers of a great variety of brilliant and handsome colors. Very effective in beds, succeeding in any good garden soil. They are also very desirable for cutting, as the spikes of bloom are borne well above the dark glossy leaves, and keep fresh for a long time.

Mixed—Pkt. 5 cts.; oz. 50 cts.



Anemone or Wind Flower.



Victoria Aster.

BACHELOR'S BUTTONS—Globe Amaranth (A). A well-known and popular everlasting flower which forms bushy plants about 2 feet high and bearing sometimes hundreds of flowers. Excellent as border plants, and very useful for winter decorations. If cut when well matured will retain their beauty throughout the winter.

Mixed—Pkt. 5 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75c.



Double White Balsam.

ASTERS (A)

These well-known, beautiful and popular annuals are very desirable for bedding, being in bloom when most other plants are over. Very useful for cut flowers and bouquets.

Victoria Mixed—Beautiful and popular annuals, desirable for beddings, being in bloom when most other plants are over. Very useful for cut flowers and baskets. Pkt. 10 cts.; oz. \$1.00; $\frac{1}{4}$ lb. \$3.00.

Dwarf Chrysanthemum Flowered—One of the best Dwarf varieties. Of a great assortment of rich colors. Pkt. 5 cts.; oz. 50 cts.; $\frac{1}{4}$ lb. \$1.75.

German Quilled (China Aster)—The familiar double Aster with quilled petals. Exceedingly showy and excellent for cutting for vase decorations. The large, brilliant, daisy-like flowers with yellow centers are produced in profusion. Pkt. 5 cts.; oz. 45 cts.; $\frac{1}{4}$ lb. \$1.60.

Comet Mixed—A carefully proportioned mixture of various colors, the petals of which are very long and recurved, having the effect of the finest Chrysanthemums. They are varied and beautiful colors and one of the most popular sorts. Pkt. 10 cts.; oz. 75 cts.; $\frac{1}{4}$ lb. \$2.50.

BALSAM—Touch-Me-Not (A).

Also known as "Lady Slipper." A tender annual with brittle stems and foliage. Grows about 12 inches high. Flowers both single and double, in bright colors and variations; are wax-like and very attractive. No flower is more easily cultivated, and it succeeds in most any good soil.

Double White—Pkt. 5 cts.; oz. 60 cts.

Double Mixed—Pkt. 5 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.25.

CALENDULA—Pot Marigold (A).

Very hardy annual, one foot high. Has showy flowers blooming until frost and producing a fine effect in borders. It is of easy culture and is desirable for rather inferior soils, where less sturdy flowers do not thrive.

Mixed Varieties—Pkt. 5 cts.; oz. 25 cts.

CARNATIONS (P).

These well-known flowers are easily grown from seed, and very free blooming, the flowers being bright-colored and with a most delicious clove-like fragrance. Excellent bloomers in the garden or for winter flowering.

Marguerite—An extra vigorous race, especially adapted for out-of-door culture. The plants are trim in habit, perpetual and flower abundantly in 5 months from sowing the seed. They are highly fragrant, and have beautiful double flowers. Pkt. 10 cts.; oz. \$1.00; $\frac{1}{4}$ lb. \$3.00.

Double Mixed—A mixture of all colors and types. Pkt. 10 cts.; oz. \$1.25; $\frac{1}{4}$ lb. \$4.

CANDYTUFT (A).

Popular favorites, flowering profusely the whole summer. Very valuable for edgings and borders, fairly covered with masses of white and various colors. Height 1 foot. Of easy culture.

White—Pkt. 5 cts.

Crimson—Pkt. 5 cts.

Fancy Mixed—Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 50 cts.



Celosia.

BEGONIA (P).

Finest Mixed Varieties—Beautiful plants for summer bedding, bearing beautiful waxy flowers through the entire summer. Our mixture contains a great variety of colors, both in flowers and foliage. Pkt. 10 cts.

CALLIOPSIS OR COREOPSIS (A).

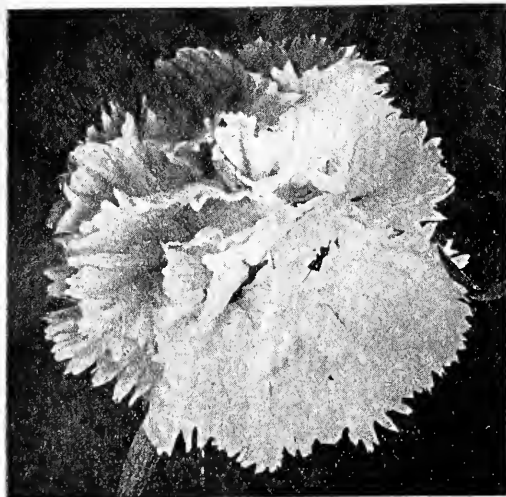
Beautiful showy summer bedding annual with large bright flowers of golden yellow, varied with rich brown. Excellent for cutting and decorations.

Lanceolata —A very hardy perennial blooming the first year and producing on very large stems a constant succession of rich, bright yellow flowers about 3 inches in diameter; exceedingly valuable for decorative purposes. Pkt. 5 cts.; oz. 25 cts.

Mixed—Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 50c



Carnation.



Double Carnation.

CANTERBURY BELLS—Campanula, Cup and Saucer (A).

A handsome, hardy biennial of stately growth, rich color and profuse bloom. Succeeds best in light, rich soil and in the fall should be transplanted or thinned to 18 inches or 2 feet apart and given some protection in severe winter weather. Has large, bell-shaped flowers which are strikingly effective; colors white, and various shades of violet, rose, lilac and blue. Height 2 to 4 feet. One of the wild forms of Campanula is the "Blue Bells of Scotland."

Pkt. 5 cts.; $\frac{1}{4}$ oz. 20 cts.; oz. 75 cts.

CANNA (P).

Stately, ornamental plants, producing clusters of large flowers of the most intense, varied and brilliant colors. Very desirable for greenhouse or bedding outdoors. Plant the seed in February, first soaking them for a day in warm water. In August the plants will come into bloom and continue to flower very freely until cut down by frost. Store roots in cellar in winter.

Tall Mixed—Pkt. 5 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.

Crozy's Dwarf Mixed—Pkt. 5 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 80 cts.

Canna Roots—See page 32.

CENTAUREA, GYMNOCARPA—Dusty Miller (A).

Valuable because of its silvery foliage, and graceful drooping habit of growth. Half hardy perennial; one-half to two feet high. Pkt. 5 cts.; oz. 50 cts.; $\frac{1}{4}$ lb. \$1.75.

CELOSIA—Cock's Comb (A).

A half hardy annual, growing 6 to 8 inches high, bearing a wide wavy blossom that resembles a Cock's Comb. Fine for massing or border work. Pkt. 5 cts.; oz. 75c.

CHRYSANTHEMUM (A).

These annual Chrysanthemums have a charm of their own. The blooming season is from very early summer until frost, and their gay colors make beds or borders attractive during those hottest weeks of summer when flowers are apt to be scarce.

Mixed Varieties—Pkt. 5 cts.; oz. 20 cts.

COLEUS (A).

Probably the best known and most popular of ornamental foliage plants. The leaves are of many shades of color and have a rich velvety appearance of extraordinary beauty. No lawn should be without these decorative plants. Tender perennial.

Mixed—Pkt. 10 cts.; oz. \$1.50.

COSMOS (A).

These well-known flowers are of easy culture and are almost indispensable for cutting and garden decorations, their lovely blossoms being produced in greatest profusion after most other flowers have succumbed to frost. Few flowers have grown more into popularity in late years than the Cosmos, and we recommend them to all wanting large plants in their gardens.



Mixed Chrysanthemums.

Mammoth Mixed—The flowers are double the size of the old, large flowering Cosmos, measuring from 3 to 4 inches across. The petals are large, overlapping, forming perfectly round flowers, deeply ribbed and of good substance. Pkt. 10 cts.; oz. 50 cts.; $\frac{1}{4}$ lb. \$1.60.

Mixed—A mixture of the old standard sorts. Pkt. 5 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.

DAHLIA (A).

The Dahlia has always been a favorite for autumn flowering. The flowers are so symmetrical and perfect and the range of colors so large and varied that they will always be popular where display is wanted. Both the single and double strains of this popular flower may be had in the greatest variety and beauty from seed. If planted early and given protection in the spring they can be made to flower the first season.

During the winter the roots can be taken up and stored out of reach of the freezing weather and replanted the following spring.

Double Mixed Varieties—Pkt. 5c; oz. 75c.

Single Mixed Varieties—Pkt. 5c; oz. 50c.

Dahlia Roots—See page 32.

DAISY (P).

These are charming little plants for edging and borders. The Daisy has been so far improved by selection and careful cultivation that good seed will give at least 80 per cent. of double flowers that are as large as any of the named sorts that are propagated by the division of the roots and are sold at high prices. The plants bloom well in the house and are splendid for early spring and summer flowering when planted in a slightly shaded situation. Tender perennials, about 6 inches high. Pkt. 10 cts.; oz. \$1.25.

Charlotte Co, Va., Sept. 15, 1917.
I made quite a success with the Flower Seed and Bulbs you sent me in the early Spring. I will always recommend your Seed to other people.

Yours truly,

MRS. S. A. JACKSON.



Single Dahlia.

DIANTHUS or PINKS (P).

These popular flowers, commonly known as Chinese and Japanese Pinks, have been for a long time very popular, and deservedly so. In diversity of rich and beautiful markings they have but few rivals, and in ease of culture, freedom of bloom and almost certain satisfactory results, they stand close to the Nasturtium. Hardy biennials blooming the first year from seed. So easily grown from seed as to be rarely treated as biennials. Seed may be sown in the open ground any time in May.

D & B's Dianthus Chinensis—The familiar Chinese or Indian Pink, easily grown and very showy. Our mixture contains an unusually large assortment of varieties and colors. Pkt. 5 cts.; oz. 40 cts.; ¼ lb. \$1.

Plumarius—The old-fashioned garden favorite. All the single flowered varieties in one mixture. Pkt. 5 cts.; oz. 30 cts. ¼ lb. 80 cts.

DIGITALIS, or FOX GLOVE (P).

A stately, old-fashioned border plant affording dense spikes of brilliant colored flowers which are terminal and half as long as height of the plant. Colors white, lavender and rose. Does not usually bloom until the second year. Thrives best in cool, shady locations.

Fine Mixed—Pkt. 5 cts.; oz. 25 cts.

ESCHOLTZIA—California Poppy (A).

The beautiful State flower of California. It blooms almost continuously throughout the season. A bed of these in full bloom gives a brilliant color effect. The foliage is finely cut and has a bluish tinge, delicate and very attractive. They are of the easiest culture. Can be sown in any soil, but the better the soil the larger the plants and blossoms. It is best to sow the seed in the garden where the plants are to remain, as they do not transplant easily. Pkt. 5 cts.; oz. 20 cts.

EUPHORBIA—Snow on the Mountain (A).

Easily grown annual with beautiful ornamental foliage, prettily veined and margined with white. Very showy. Pkt. 10c; oz. \$1.00.



D & B's Dianthus Chinensis—Hardy Pink.

FORGET-ME-NOT—Myosotis (P).

The favorite old border plant that succeeds best in moist situations.

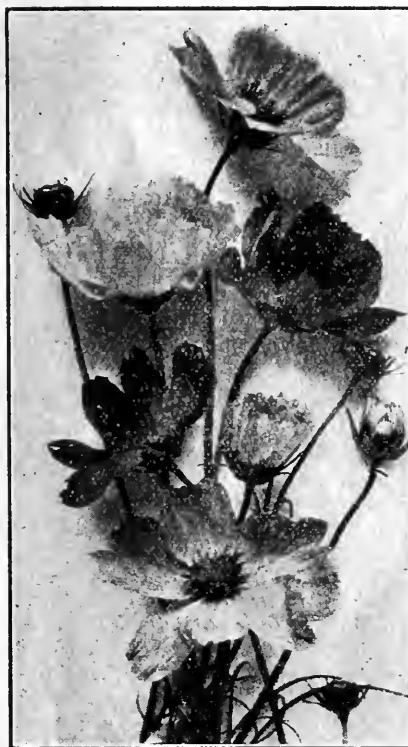
It comes into blooming early and the little star-shaped flowers appeal to every heart. Hardy perennials. Pkt. 5 cts.; oz. 40 cts.

FOUR O'CLOCK—Marvel of Peru (A).

A well-known favorite plant, bearing freely funnel-shaped white, red and striped flowers, which open about four o'clock in the afternoon, remaining open all night; and usually are closed before noon the next day. Sow seed in spring in open ground in any good garden soil. The plants should be given plenty of room, about three feet apart. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 50 cts.

GAILLARDIA (A).

A very showy, hardy, garden plant, with brilliant flowers in scarlet and yellow, blended and shaded. Blooms freely from early summer till autumn. Grows one and one-half to two feet high, and the blossoms are borne on long, slender stems.



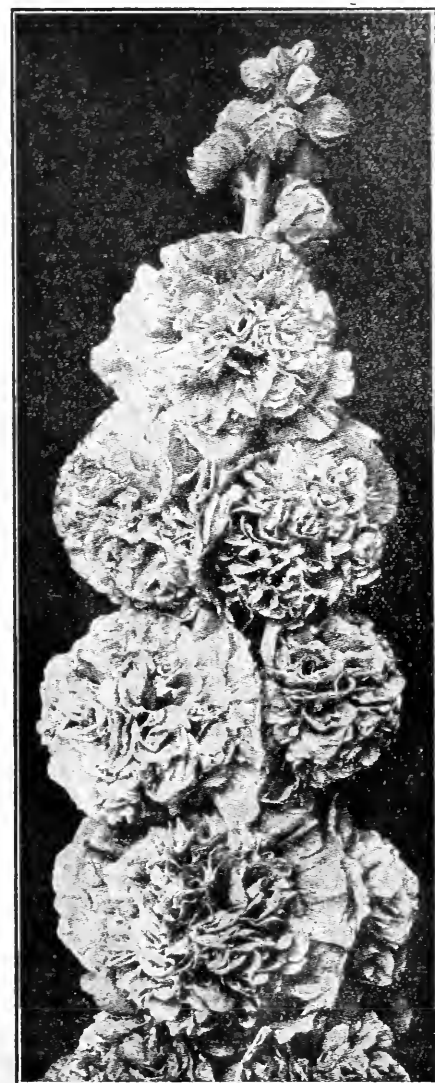
Mammoth Cosmos.

Grandiflora Mixed—Single perennial variety of varying shades of reddish brown, scarlet and orange. The largest of these species, excellent for cutting. Pkt. 5 cts.; oz. 40 cts.

HELIOTROPE (P).

The delicately tinted and fragrant blossoms of this beloved little flower are so well-known that any attempt at description would be superfluous. It is adapted to both bedding and house culture, requiring little attention. By sowing indoors early in the spring and transplanting into small pots, plants may be made so strong and stocky that they will be in full bloom soon after being set in the garden.

Mixed Varieties—Pkt. 5 cts.; oz. 85 cts.



Hollyhock.

HOLLYHOCK (P).

For a background to a flower garden, nothing is better than this tall, old-fashioned garden favorite. The large, richly colored blossoms, about 3 inches across, ranging from deep yellow and red to pure white, are set as rosettes around the strong growing flower stalk. The Hollyhock of to-day is entirely different and more beautiful than the plant of years ago, being much more compact in growth, the flowers larger, more richly colored and of better form. Sow the seed in May or June, in open ground, and in the autumn, when the Plants have made five leaves, transplant to permanent position 2 or 3 feet apart. The following summer they will bloom.

They grow to a height of 5 ft., and if the stalks show a disposition to fall, tie stakes to them to hold them up. The Double Hollyhock are the most desirable.

Double Mixed Varieties—Pkt. 5 cts.; oz. 75 cts.; ¼ lb. \$2.25.

HIBISCUS (A).

Africanus—A free blooming flower of easy culture, producing flowers of large size, 3 to 4 inches across. Creamy yellow with purple center; very desirable for mixed beds or borders. Pkt. 5 cts.; oz. 50 cts.



French Marigold.

African—The best tall variety, with large, double blossoms. Pkt. 5 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 85 cts.

Dwarf French, Double Mixed—Pkt. 5 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 85 cts.

MIGNONETTE (A).

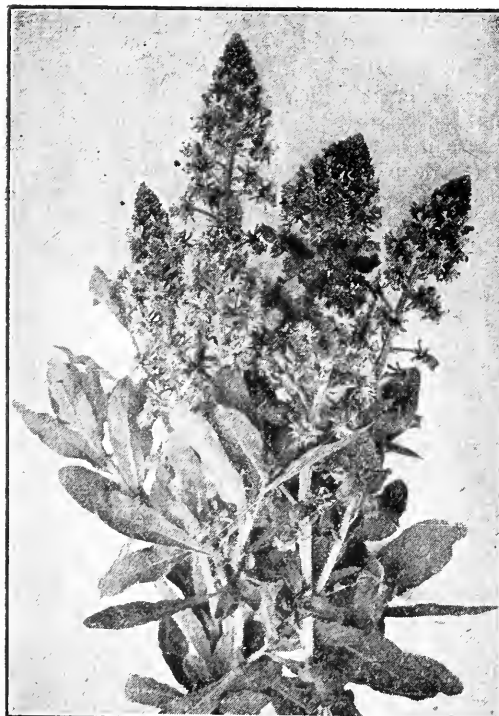
This popular little flower is well-known as one of our most fragrant plants, and a universal favorite. If sown at intervals in spring and early summer it will bloom until killed by frost. Thrives best in a cool temperature.

Machet—A compact-growing variety, with medium long, thick spikes of yellow flowers. Pkt. 5 cts.; oz. 40 cts.

Golden Queen—Very fragrant, with golden yellow flowers. Pkt. 5 cts.; oz. 25 cts.

Sweet—This is the familiar old variety. It has spikes of medium size, so fragrant

that a bed will perfume the whole atmosphere around it, and every garden should have a corner or bed devoted to it. Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.



Sweet Mignonette.

ICE PLANT (A).

A pretty little trailing flower for baskets or boxes, grows about 6 inches; flowers white or pink. The leaves are covered with crystal like drops, shining brightly in the sun, its foliage is remarkable. Pkt. 5 cts.; oz. 50 cts.

LARKSPUR (A).

The Larkspur is one of the handsomest and most useful of plants. The colors are extremely beautiful and in mixed borders its profuse masses of purple, white and red show splendidly, and for large gardens is invaluable. Height 12 inches.

Double Dwarf Varieties Mixed—Pkt. 5 cts.; oz. 50 cts.

LOBELIA (A).

Profuse blooming little plants, of great value for edging, hanging baskets or vases. It is completely covered with flowers for a long time. If given plenty of water they may be kept in flower all summer.

Emperor William—A fine, compact variety with intensely dark blue flowers. Pkt. 5c.

White Lady—Dwarf. Pure White Flowers. Pkt. 5 cts.

LOVE-IN-A-MIST—Nigella (A).

A hardy annual, one-foot high, with finely cut foliage. Oddly shaped blossoms in blue and white, and curious seed pods. Of easy culture. Pkt. 10 cts.

MARIGOLD (A).

A hardy annual, shrubby plant, in dwarf and tall varieties, growing from 6 inches to 3 feet high. Foliage bright green, deeply cut, and graceful. The flowers are various shades of yellow and brown. The tall varieties are very valuable for large bedding or background work, and the dwarf varieties for borders. No flower garden seems complete without this fine old-fashioned plant.



Dwarf Nasturtium.

NASTURTIUM (A).

Probably the most popular and easily grown flower in our list, and remains longer in bloom. In favorable soil the flowers are produced in abundance during the season. Nasturtiums prefer dry, rather rocky soil, such as we usually call "poor" soil and bear their flowers in such locations in greater profusion than in a rich garden, where they run too much to leaves.

Dwarf Varieties Mixed—This mixture contains all of the choicest and prettiest flowers of the Dwarf variety. The plants form a small, round bush, 12 to 16 inches high, which is a mass of blooms all summer. Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50 postpaid. By express, \$1.40 per lb.

Tall Varieties Mixed—This mixture contains all of the choicest and prettiest flowers of the tall variety, are of quick growth, covering a whole hedge or trellis in a short time. The brilliant blossoms almost cover the plant from top to bottom. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.35 postpaid. By express, \$1.25 per lb.

NICOTIANA—Flowering Tobacco (A).

Sylvestris—A very ornamental plant, having handsome foliage and very fragrant flowers; it grows 3 to 5 feet, and is desirable for center of beds or planting in shrubbery; flowers are pure white and star shaped. Pkt. 5 cts.; oz. 40 cts.

PANSY (P).

No description is needed of these little favorites, and it would be hard to find a garden whose charm is not in a large measure dependent upon their marvelous coloring.

D. & B.'s Superb Pansy Mixture—This is a mixture of all the giant flowering varieties, all the plain colors, faced sorts, ruffled edged and rare sorts, also the varieties exquisitely striped. The seed is saved from the most famous pansy gardens, from exhibition flowers. These pansies are wonderfully beautiful in every way and the very best there are. The small difference in the cost of this seed over the other seed is covered one hundred-fold in satisfactory results to the grower. Pkt. 25 cts.

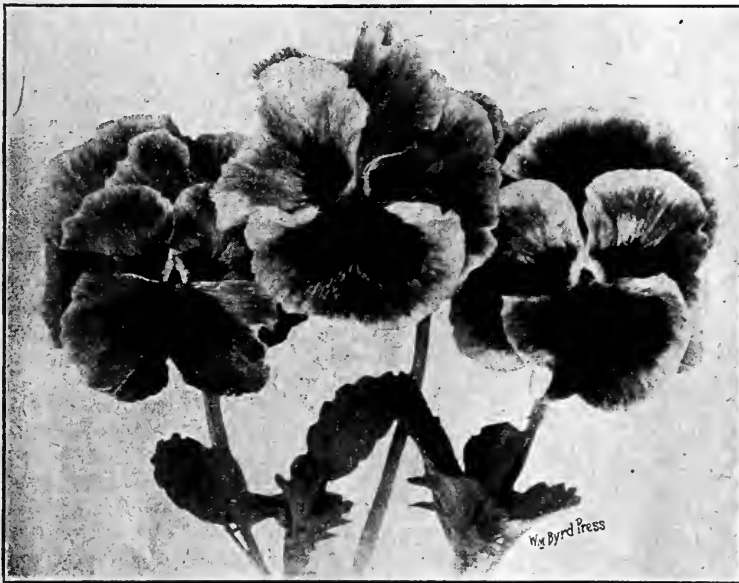
Giant Trimardeau Mixed—The largest flowering type of Pansy called the French strain. The top petals are larger than the three lower ones and are beautifully marked. The plants are of vigorous, compact growth, with immense, three-blotched flowers. Pkt. 10 cts.; oz. \$1.25.

Finest English Prize Mixed—This mixture is of magnificent varieties, containing the so-called faced varieties, and is in every respect equal to the higher priced named Pansies. Pkt. 10 cts.; oz. \$1.00.

Large Flowering Mixed Pansy—This seed is saved from very good garden varieties, the flowers are small in comparison with the fine sorts, but the colors are good. Pkt. 5 cts.; oz. 85 cts.

PETUNIA (A).

There is no bedding plant of easier culture than the Petunia, and few that make a gayer appearance when in full bloom. They are easily grown and very popular for bedding.



D. & B.'s Superb Pansies.

They thrive best in a warm, sunny location. The shape of the flower is similar to that of the Morning Glory. Sow the seed thinly where the plants are to remain, or for early blooming sow in the house in boxes.

Single Mixed—Pkt. 5 cts.; oz. 65 cts.; ¼ lb. \$2.00.



Carnation Flowered Poppy.

POPPY (A).

Hardly any class of plants afford the same brilliant colorings and showy display. They are of easy culture, the seed being sown where they are to remain. Thin the plants 6 to 12 inches apart.

Oriente—A large gorgeous scarlet blossom; base of petals black. One of the most striking and showy of the garden perennials. Pkt. 10 cts.; oz. \$1.00.

Shirley—These beautiful Poppies are very free-flowering and remarkably brilliant colors, from pale rose to deep crimson. Many of the flowers have crimped or wavy petals; all are of fine silky texture, but of good substance, and not surpassed by any for cutting. Pkt. 5 cts.; oz. 30 cts.; ¼ lb. 75 cts.

Carnation Flowered—Large, showy, double flowers of magnificent colors. Pkt. 5 cts.; oz. 20 cts.

Single Mixed—All the fancy and named single varieties mixed. Pkt. 5 cts.; oz. 25 cts.

Double Mixed—All the fancy and named double varieties mixed. Pkt. 5 cts.; oz. 25 cts.

PORTULACA (A).

Low-growing or creeping tender annual, six to eight inches high, and bearing glossy, cup-shaped blossoms in very brilliant and gorgeous colors. The seed germinates slowly and should be started under glass or when the weather is hot. These flowers love the sunshine and do best on rather dry ground.

Single Mixed—This is an extra fine strain with very large blossoms and splendid colors. Pkt. 5 cts.; oz. 50 cts.; ¼ lb. \$1.50.

Choice Double Mixed—From 50 to 60 per cent. of the flowers will come double. These are especially beautiful and showy. Pkt. 10 cts.; ½ oz. 75 cts.; oz. \$1.40.

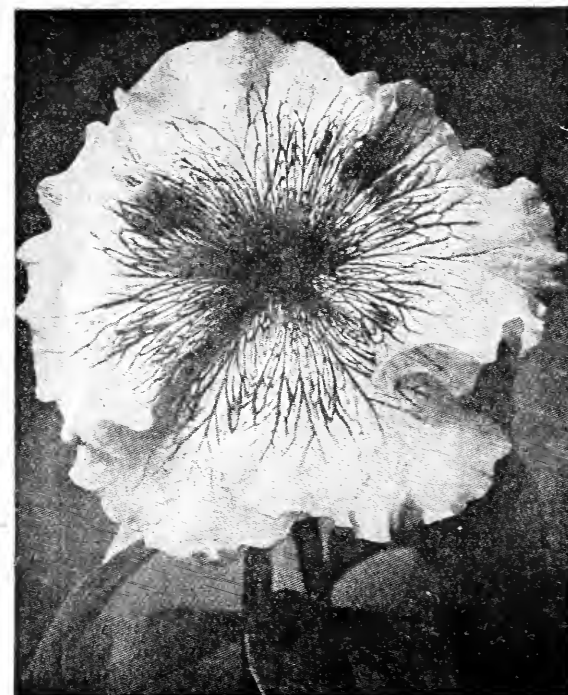
PLANT AND TREE TUBS.

Made of everlasting Virginia White Cedar, thoroughly seasoned, painted a handsome green inside and out and bound with strong welded wire hoops which do not rust. These Tubs are durable, neat and attractive.

PLANT OR FERN TUBS.

Diameter.	Depth.	Price each.	Diameter.	Depth.	Price each.
8	5	35c	12	6	55c
10	5½	40c	14	6½	65c

Diameter.	Depth.	Price each.	Diameter.	Depth.	Price each.
6	6	33c	10	9	50c
7	7	35c	11	10	60c
8	8	40c	12	11	70c
9	9	45c	13	12	90c



Single Petunia.

PHLOX DRUMMONDII (A)

One of the prettiest and most popular of garden annuals. Makes very attractive beds, and continues to bloom throughout the summer. Sow in April in open ground, or can be started earlier indoors.

D & B's Grandiflora Large Flowering Mixed—A great improvement on the common type, both heads and florets being nearly twice as large. Pkt. 10 cts.; oz. 75 cts.; ¼ lb. \$2.50.

Choice Mixed—This mixture is unexcelled for profusion of bloom and wide range of brilliant colors. Pkt. 5 cts.; oz. 60 cts.; ¼ lb. \$1.60.

PRIMROSE (A).

Green-house or pot plants, bearing trusses of large single or double blossoms in bright colors, as well as soft tints. Sow the seed in April or May for winter blooming.

Large Flowering Hybrids—The choicest varieties mixed. Pkt. 20 cts.

PYRETHRUM—Feverfew (A).

Very hardy, with large showy, daisy-like flowers and fine cut foliage. Very desirable for beds and borders, also useful for cut flowers.

Roseum—Rose and crimson. Double mixed. Pkt. 10 cts.

Golden Feather (Aureum)—Dwarf growing variety with bright yellow flowers. Pkt. 5 cts.; oz. 50 cts.

RICINUS—Castor Oil Plant (A).

Luxuriant rapid-growing annuals with palm-like leaves. Excellent for background or centre of beds of foliage plants, the effect being especially striking after the brilliantly colored fruit is formed. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.

SALVIA SPLENDENS—Scarlet Sage (A).

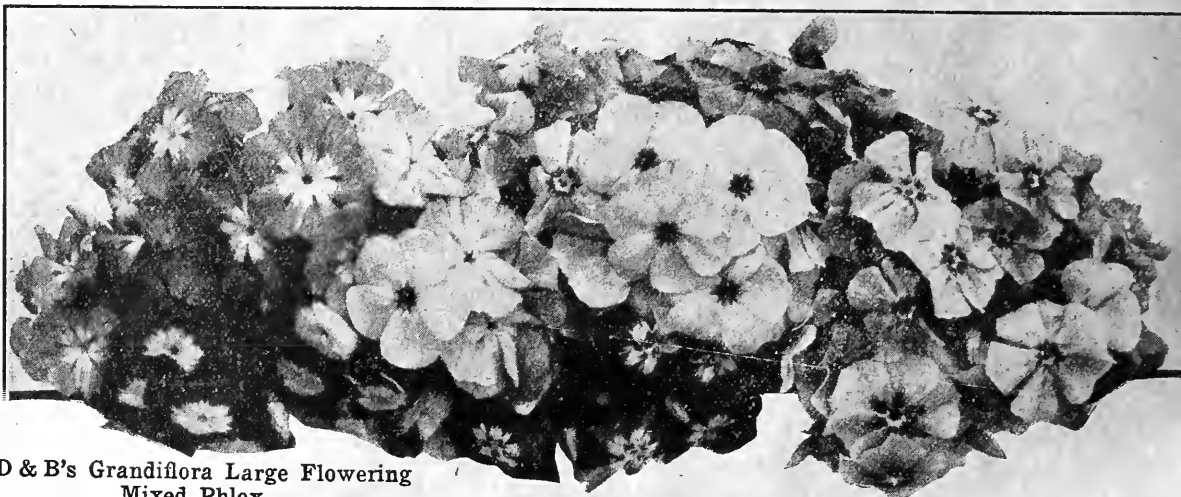
A well-known favorite bedding plant which bears magnificent spikes of scarlet flowers from July to October. Although perennial, it blooms the first year from seed, and there is really no flower that can rival it in splendid color. Excellent for cutting. Pkt. 10 cts.; oz. \$1.40; ¼ lb. \$4.25.

Bonfire—One of the finest for bedding, compact growth, oval bushes 2½ feet high with long spikes of brilliant scarlet flowers; the spikes stand stiff and erect, over 200 on a bush is not unusual, and the spikes bear from 20 to 30 flowers each. Pkt. 15 cts.; ¼ oz. 65 cts.; oz. \$2.00.

Snap Dragon—See Antirrhinum.

SMILAX (A).

A charming, delicate and graceful indoor climber, running 6 feet or more and very useful for decorations. A very desirable window vine. Pkt. 10 cts.



D & B's Grandiflora Large Flowering Mixed Phlox.

SWEET WILLIAM (P).

A beautiful class of hardy free-blooming plants of extreme richness and diversity of colors. Produces a fine effect in beds or mixed flower borders.

Single Varieties Mixed—Pkt. 5 cts.; oz. 25 cts.; ¼ lb. 75 cts.

Double Varieties Mixed—Pkt. 5 cts.; oz. 65 cts.; ¼ lb. \$1.75.

SENSITIVE PLANT—Mimosa (A).

Curious and interesting little plants with pinkish white flowers. The leaves close and droop when touched. Pkt. 5 cts.

SCABIOSA—Mourning Bride or Sweet Scabious (A).

Have perfectly double flowers, are useful for cutting, and they are gracefully borne upon long tender stems well above the foliage, and makes a beautiful cut-flower; height 2 feet. Pkt. 5 cts.

SUNFLOWER (A).

Double Dwarf Mixed—A large number of Double Dwarfed Sunflowers in mixture, containing every shade of yellow. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 60 cts.

Mammoth Russian—The well known old-fashioned giant Sunflower. Pkt. 5 cts.

VIOLETS (P).

Although these flowers do best when grown from cuttings, they grow readily from seed and produce very fragrant blossoms.

Blue—Pkt. 10 cts.; oz. \$1.00.

White—Pkt. 10 cts.; oz. \$1.00.

Mixed—Pkt. 10 cts.; oz. \$1.00.

VERBENA (P).

These well-known flowers are splendid for beds or massing. Flowers of most brilliant colors, blooming from early summer till late in the fall. Verbenas grown from seed are always thrifty and do not rust. Sow early in house, or out of doors in April.

Mammoth Flowered Mixed—This strain produces blooms of the largest size and most brilliant colors. Pkt. 10 cts.; oz. \$1.00; ¼ lb. \$3.25.

Mixed Colors—The individual flowers are most perfect and the plants remarkably vigorous. A splendid mixture from named sorts, comprising nice, beautiful colors. Pkt. 5 cts.; oz. 75 cts.; ¼ lb. \$2.00.

WALLFLOWER (P).

This is a fine bedding plant, but it is more often grown as a pot plant and for this purpose is well adapted. The flowers are very fragrant and usually of various shades of yellow, brown and reddish brown. An old-fashioned flower which is always popular. Sow early in the year in boxes and transplant.

Single Mixed Colors—Pkt. 5 cts.; oz. 35 cts.; ¼ lb. \$1.00.

Double Mixed Colors—Pkt. 10 cts.; oz. \$2.

STOCKS, DWARF GERMAN—Ten Weeks (A).

Desirable for bedding or pot culture. They bear an immense quantity of fragrant blooms, each plant forming a perfect bouquet, and are splendid for cutting. Pkt. 5 cts.; oz. 75 cts.

ZINNIA (A).

For gorgeous summer and fall display the Zinnia is unsurpassed, the flowers are perfectly double, resembling Dahlias, and almost every shade of color. For bedding and massing they are particularly suitable.

Tall Double Mixed Colors—Pkt. 5 cts.; oz. 30 cts.; ¼ lb. \$1.00.

Dwarf Double Mixed Colors—Pkt. 5 cts.; oz. 35 cts.; ¼ lb. \$1.00.



Salvia Splendens (Scarlet Sage)

General List of Vines or Climbers

THE PRICES QUOTED ON ALL OF THE CLIMBERS ON THIS PAGE ARE POSTPAID

This List Comprises Varieties Which Attain Perfection the First Season. A Few of Them Require Starting in the House, but the Majority Can Be Sown Where They Are to Grow.

Season. A Few of Them Require Starting in the House, but Where They Are to Grow.



Morning Glory.

effective pain-killer and healer of cuts, bruises, etc. Height 10 feet. Pkt. 5 cts.; oz. 25 cts.

BALLOON VINE—Love-in-a-Puff (A).

A rapidly-growing climber of attractive foliage, and remarkable for the inflated membranous capsule seed pod from which the name Balloon Vine is derived. This peculiarity also suggests its other name of "Love-in-a-Puff." The flower is white and inconspicuous. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.

CLEMATIS HYBRIDA—Large Flowering Mixed (A).

A beautiful climber with many colored flowers. Soak the seed for 24 hours or more before sowing them. Pkt. 10 cts.; oz. \$1.25.

CYPRESS VINE (A).

A tender, climbing annual, with soft fern-like foliage and small star-like flowers in red and pink or white which contrast most effectively with the graceful foliage. Height about 15 feet.

Mixed Varieties—Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 70 cts.

COBEA SCANDENS (A).

This is one of the best climbers of rapid growth, with fine foliage and large bell-shaped flowers of a beautiful violet hue. Pkt. 10 cts.; oz. 70 cts.

DOLICHOS or HYACINTH BEAN (A).

A tender, climbing annual. Grows rapidly and is splendid for covering a trellis. Flowers in purple, or white; are borne on long stems, the individual blossoms resembling the bean flower, and the ornamental pods resemble bean pods. Sow seed in open ground late in April. Pkt. 5 cts.; oz. 15 cts.

HUMULUS JAPONICUS—Japanese Hop Vine (A).

A rapid growing, hardy climbing annual with dense, bright green foliage. Will grow 20 to 30 feet high in a season, and is very valuable for covering a trellis or unsightly objects and for shading verandas. Pkt. 5 cts.; oz. 40 cts.

MOON FLOWER or EVENING GLORY (A).

Beautiful rapid climbers, bearing large white flowers, 4 to 6 inches in diameter, which open in the evening and on cloudy days. Start the seed in the house and transplant when the weather is warm. Before planting it is best to file a small hole in one end through the outer hull and soak for thirty-six hours in warm water to hasten germination. Pkt. 10c; oz. 50c; ¼ lb. \$1.75.

AMPELOPSIS VEITCHII

Boston Ivy (P)

The popular Ivy which covers so many buildings. It clings to brick and wood without support. It is a rapid grower, with beautiful star-shaped foliage of light and dark green, changing with the seasons. Pkt. 5 cts.

BALSAM PEAR (A)

There is little difference between this and the Balsam Pear, except in the shape of the fruit. Pkt. 5 cts.; oz. 25 cts.

BALSAM APPLE (A)

A very desirable climber, bearing large, prickly, pear-shaped yellow fruit, the flesh of which when kept in whiskey or alcohol is said to make a most

MORNING GLORY (A).

Imperial Japanese Morning Glory—These are much the handsomest flowers in Morning Glories, of gigantic size and in colors ranging from snow white to carmine, through every shade of blue and purple to nearly black, also marble, striped and splashed sorts. The vine is not quite so vigorous a climber as the old-fashioned Morning Glory. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.

Mixed Varieties—No climber is more popular than is the Morning Glory for covering trellis or unsightly back fences. They grow 15 feet high and bear very abundantly brilliant flowers of various colors. Soak the seed for two hours in warm water to hasten the germination. Of easy culture. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.

GOURDS (A).

Climbers of rapid growth, which are well fitted for covering fences, arbors, stumps, etc. The vines are of easy culture and make a rapid growth. The foliage is quite pretty and the fruits are very interesting in their various shapes. Grows from 10 to 20 feet high.

Dutchman's Pipe, or Calabash—Has odd shaped fruit which is used to advantage in making pipes. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 50 cts.

Nest Egg—In size, color and shape like a hen's egg. Vines make good screens. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.

Dipper—The handles grow curved if on ground; straight if vines run on a frame. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.

Sugar Trough—This grows very large and thick with hard shells, sometimes holding from 3 to 5 gallons. They are light but durable. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.

Hercules Club—A large, long Gourd; resembles a baseball bat or club, hence its name. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.

Orange-Shaped, Pear-Shaped, and Apple-Shaped—Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.

Ornamental Mixed—Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.

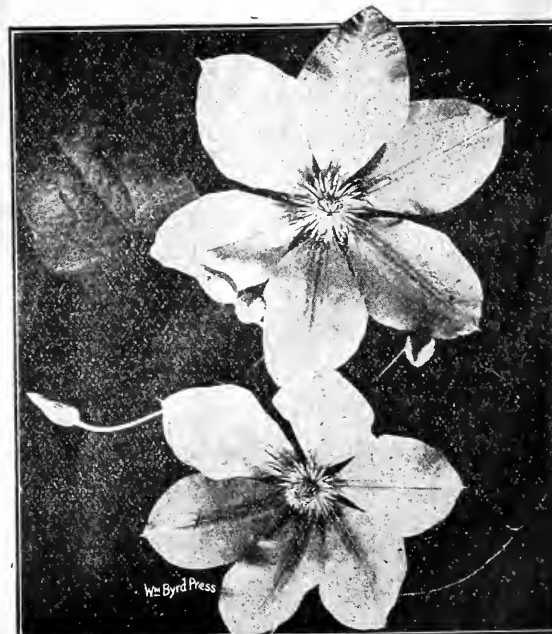
VELVET BEAN (A).

A quick-growing vine with beautiful large green leaves, and large clusters of purple flowers and makes a dense foliage. This is probably the largest quick-growing vine, will easily grow 20 feet in a season, excellent for covering old fences, trellises, etc. Large pkt. 10 cts.

CLIMBERS MIXED—Many of our customers prefer a mixture of several kinds of climbers. We therefore offer these in mixture. Large pkt. 10 cts. 1 oz. 15 cts.

WILD CUCUMBER VINE (A)

Very rapid-growing and free-flowering. The vines attain a great height; they begin to bloom early and by midsummer are covered with large sprays or pannicles of small white flowers. Pkt. 5 cts.; oz. 25 cts.



Clematis.

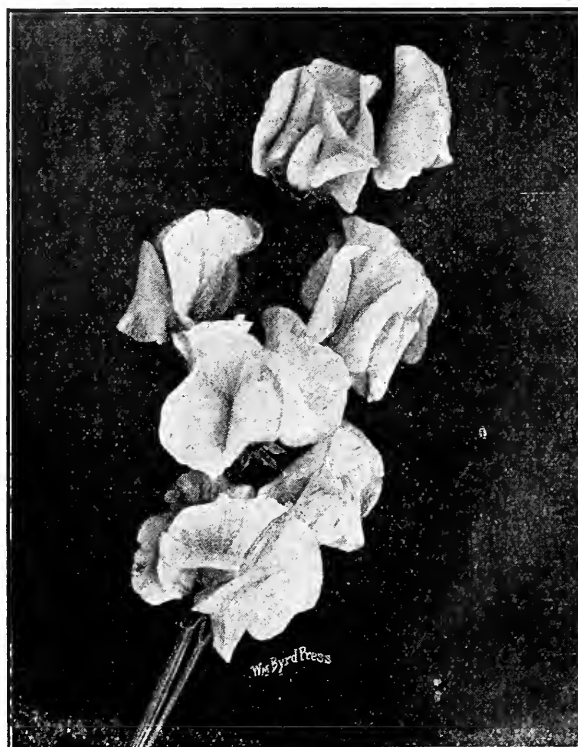
Sweet Peas

These beautiful and fragrant flowers are becoming more popular each year, and should be grown in every vegetable and flower garden. They are hardy and easy to grow, and bloom profusely for many weeks if properly cultivated.

Sow in the spring as early as the ground can be worked, in rows 3 feet apart, and to get the best results they should be staked. As they grow about 4 feet high, for very early blossoms sow in September or October and cover with straw or litter during the winter.

D & B's Spencer Mixed—A race or type of sweet peas with extra large flowers, fully double the size of the older forms under good cultivation. The Spencers have very long stems, and wavy and fluted-edged petals, which with their rich coloring give an almost orchid-like appearance. The Spencer type will not stand careless cultivation, but if you give them careful cultivation they will fully repay you for the extra trouble by their exceptional size and beauty. This is a splendid, well-blended mixture of all true Spencer types only. All colors, mixed, pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. \$2.00 postpaid.

D & B's Superb Mixed—This is the best possible mixture that can be made, combining carefully considered proportions. It comprises all of the finest new and large flowering named varieties of every shade and color from pure white to dark maroon. Each is the very choicest of its class, grown separately and mixed by ourselves. It is the finest mixture possible and cannot be surpassed at any price. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 35 cts.; lb. \$1.40 postpaid.



Pure White Spencer—Best large White Spencer Sweet Pea. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.25 postpaid. By express \$2.15.

Named Sweet Peas in Separate Colors—We offer the following, all of which are selected from the finest named varieties, and the choicest of its kind. Each variety, pkt. 5 cts.; oz. 10 cts.; ¼ lb. 35 cts.; lb. \$1.40 postpaid. By express, \$1.35 per lb.

America—Bright red and white striped.

Blanche, Burpee—A very large beautiful snow white.

Blanche Ferry—Rose and white.

Dorothy Eckford—Large shell-shaped pure white.

Emily Henderson—An early free blooming, white.

Flora Norton—Bright blue.

King Edward VII—Bright red.

Lady Grisel Hamilton—A beautiful pale lavender.

Lovely—Deep pink, shaded to light pink.

Navy Blue—Indigo blue and violet.

Prima Donna—A most beautiful pure pink.

Othello—Very dark maroon.

Aurora—Orange, rose and white.

Firefly—Brilliant red.

Helen Pierce—Mottled blue on white.

Black Knight—Dark deep maroon.

Mrs. Collier—Rich primrose.

Choice Mixed—A good mixture of standard sorts; will afford splendid variety of blooms and a wide range of assorted colors. Pkt. 5c; oz. 8c; ¼ lb. 25c; lb. 90c postpaid.

Bulbs

Canna Roots

A very large and handsome foliage plant, growing from 4 to 6 feet tall, with large clusters of beautiful flowers. All varieties by mail, 15 cts. each; \$1.25 doz. postpaid. By express, 10 cts. each; \$1.00 doz.

KING HUMBERT—A bronze Canna with an orange scarlet lower streaked with crimson, height 5 feet.

CHARLES HENDERSON—Has a green foliage, and the flowers are deep crimson, height 4 feet.

VENUS—Green foliage with a pink flower, height 4 feet.

KATE F. DEEMER—Has rich green foliage, grows from 4 to 6 feet high, large flowers which open a rich oriole yellow, which gradually becomes turkey red in the center and throat, and outer edges becoming creamy white.



CALADIUM BULBS (Elephant's Ear)—This is one of the finest and most satisfactory foliage plants grown. It is a very ornamental plant and is most attractive when planted in lawns. They should be well fertilized and watered freely, and the leaves will grow to an immense size.

Mammoth Bulbs—Over 12 inches in circumference. By mail 25 cts. each postpaid. By express 15 cts. each; \$1.65 per doz.

Medium Size Bulbs—9 to 12 inches in circumference. By mail 20 cts. each postpaid. By express 10 cts. each; \$1.10 per doz.

Elephant's Ear Plant. This vine will grow 20 feet or more in a season, making a beautiful screen and thick shade. By mail 8 cts.; each 35 cts.; dozen postpaid. By express 5 cts each; 25 cts dozen.



Pearl Tuberose.

DAHLIA ROOTS.—We can furnish these either separate or in mixed colors, as may be desired. In separate colors—Red, White, Yellow and variegated, by mail 20 cts. each; \$1.75 doz. postpaid. By express, 15 cts. each; \$1.50 doz.

Mixed Colors—By mail \$1.25 doz. postpaid. By express, \$1.00 doz.

EXCELSIOR PEARL TUBEROSE.—This is decidedly the most popular and best Tuberose; produces a close spike of fine double flowers. Plant in rich soil, 6 inches apart and give them plenty of water.

Mammoth Bulbs—By mail 2 for 10 cts.; 35 cts. per doz. postpaid. By express 25 cts. per doz.

We will issue in September, a special list of Hyacinths, Tulips, Narcissus, and all other Bulbs for autumn planting which blossom in the winter and early spring. If you love Flowers, ask for it.

WILD FLOWER GARDEN MIXTURE

This mixture is not really made up of wild flowers, but is a combination of a great many free-blooming, hardy flowers, listed in this catalogue, which can be offered at a much less price than when sold in separate packages. Those who cannot give the constant care necessary for finely-arranged flower beds will find our "Wild Flower Garden Mixture" a delightful substitute, with its constant and ever-varying bloom. Such a flower bed is a continual surprise and pleasure, as new varieties and the old garden favorites flower successively throughout the season. Thin out where plants are crowded and keep clean of weeds. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 50 cts.

Owing to the Unsettled Market Conditions of All Metal Goods, These Prices Are Subject to Change.

PLANET JR. Garden Implements

CUT DOWN WORK AND BOOST YOUR CROPS.

Old-time farming no longer pays—these scientific tools do the work of 3 to 6 men, give bigger yield, and save their cost in a single season. Invented and made by a practical farmer and manufacturer with half a century's experience. Planet Jrs. are strong and lasting. Every tool fully guaranteed. Come and let us convince you of their economy. Ask for the 1918 Planet Jr. Catalogue. 72 pages, illustrated with field scenes, etc—Free.

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow.

Price, Complete, \$16.50.

No. 4D As a Seeder Only, \$13.50.
Holds 2½ Qts. of Seed.



This accurate, durable, easy-running tool sows all garden seed from the smallest up to peas and beans in hills 4, 6, 8, 12 or 24 ins. apart, or in drills at the proper thickness and depth; rolling down

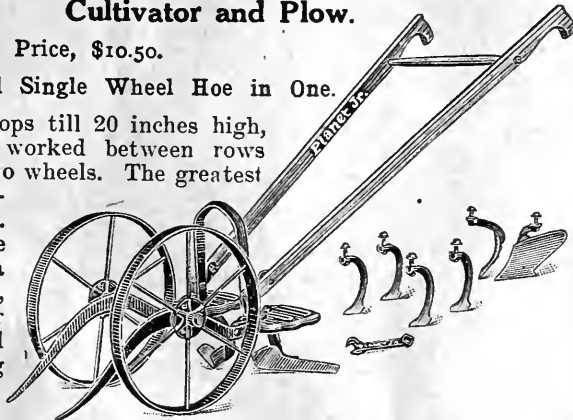
and marking out the next row all at one passage. No time is lost. No seed wasted. By removing the seeder parts and substituting the tool frame, you have a first-class single wheel hoe with a set of specially hardened steel tools, the best made for hoeing, plowing, cultivating, opening furrows, hilling, etc. Makes the care of a garden a pleasure as well as very profitable. Can be used successfully by men, women or growing boys. Pays for itself in a season and will last for years. Thousands have been sold in this and in many foreign countries.

No. 12 Combined Double and Single Wheel Hoe, Cultivator and Plow.

Price, \$10.50.

A Double and Single Wheel Hoe in One.

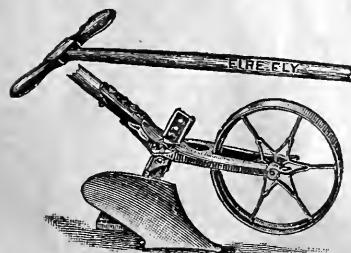
Straddles crops till 20 inches high, then can be worked between rows with one or two wheels. The greatest hand cultivating tool made. All steels are hardened by a new process, giving longer wearing and easier running tools.



Fire-Fly Garden Plow.

Price, \$3.00.

This tool is exceedingly useful to owners of small gardens. It will throw a furrow four to six inches wide and one to three inches deep and deeper by going twice. Furrows for manure or seeds can be opened and covered. In cultivating, plow away, weed the row



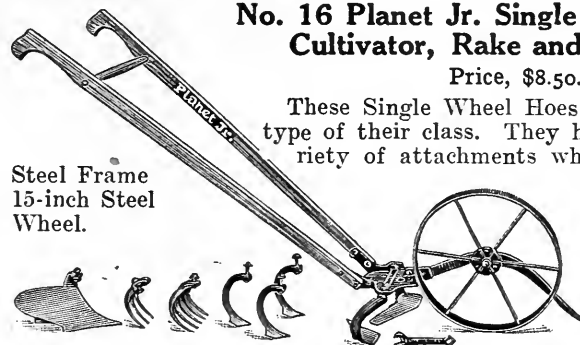
and plow back again. This tool will enable a busy man to do in his spare minutes nearly all of the work of a family garden. Chicken raisers find it of great advantage in plowing up their scratching yards.

If you are a farmer, trucker, orchardist, or suburbanite with a kitchen-garden, there is a PLANET JR. made for your special need. You cannot afford to work without a Planet Jr. Get the Special Planet Jr. Catalog for 1918.

No. 16 Planet Jr. Single Wheel Hoe, Cultivator, Rake and Plow.

Price, \$8.50.

These Single Wheel Hoes are the highest type of their class. They have a great variety of attachments which adapt them to a large variety of work, and there is scarcely any garden cultivation they will not do.



Steel Frame
15-inch Steel
Wheel.

All attachments are of a special pattern, carefully tested by practical men; no others ever offered compare with them. All the steel parts are high carbon steel, oil tempered and specially hardened, finely formed, finished and polished and work to a charm. Everyone who cultivates needs one.

No. 17 Planet Jr. Single Wheel Hoe.

Price, \$7.00.

This tool is identical with No. 16, except in equipment. It has a pair of 6-inch hoes, a plow and a set of cultivator teeth, an outfit sufficient for most garden work.

You can do more and better hoeing with it in one day than you can do in three days with a hand hoe.

No. 31 Planet Jr. Combined Drill Seeder and Single Wheel Hoe.

Price, Complete, \$11.00.

No. 31D As a Drill Seeder Only, \$9.25.

This new combined tool is of great value to thousands of gardeners who have never felt able to own either a seed drill or a wheel hoe. It will sow even a small packet of garden seed with great precision in a narrow row from ¼ to 2 inches deep.



It is quickly changed to a splendid wheel hoe. A special machine for the small gardener at a price he can afford to pay.

No. 33 Planet Jr. Single Wheel Hoe, Cultivator and Plow.

The No. 31 Without Seeder.

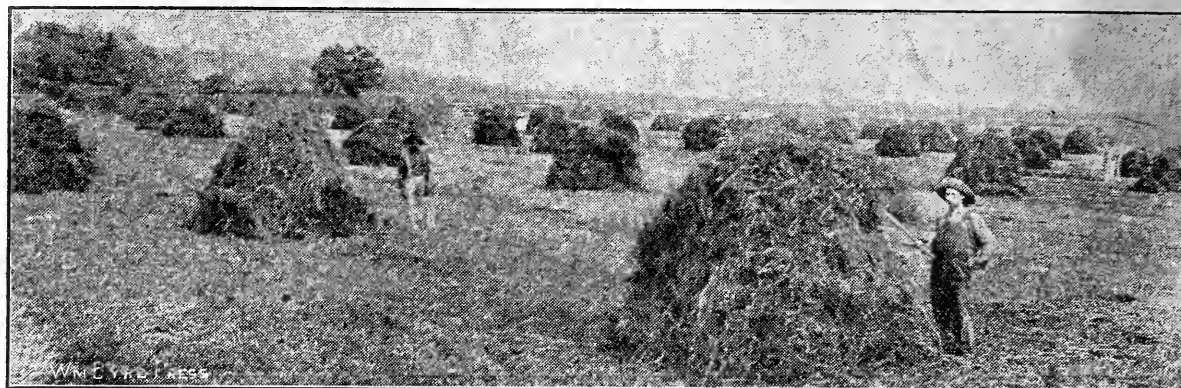
Price, \$5.50.

This combination will delight the suburbanite or the growing boy who knows that a certain amount of garden work is to be part of his service. Women, young or old, will find in this tool a light running wheel hoe that will save them hard work and help much to supply the table with fine vegetables.

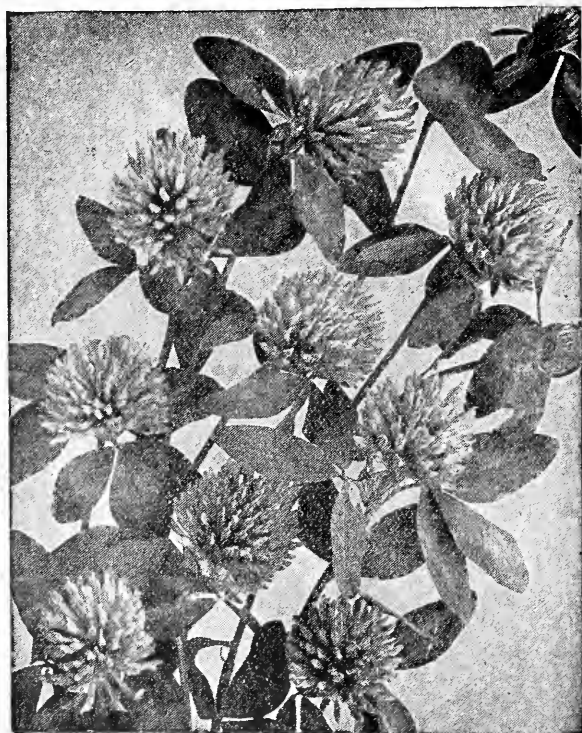


Clovers

ALFALFA is probably the most talked of, the most widely grown and the most profitable of all varieties of Clover grown in the South. It will produce from 5 to 7 tons of Hay to the acre each year, and it can be cut 4, and with favorable weather conditions, 5 or more times a year, and it does not exhaust the soil; its long roots penetrate 15 to 20 feet in the ground, and it therefore successfully resists droughts and gets moisture from this depth during dry spells, whereas any other crops would be a failure. Although Fall sowing is preferable, good results can be obtained from Spring sowing. It should be seeded on high and rather dry land, as it does not succeed as well on wet grounds. It should be seeded at the rate of about 20 to 25 lbs. to the acre broadcast. The soil should be thoroughly prepared and a plenty of lime applied and if your land has never had Alfalfa grown on it before, be sure and inoculate the seed with Nitrogen gathering Bacteria, for without inoculation your success is exceedingly doubtful. The Alfalfa Bacteria, which are necessary, we offer for \$2.00 per acre bottle; 5 acre bottle \$7.50. See Farm-o-Germ listed on page 48. Alfalfa is adapted to almost the entire South, and is said to have the highest feeding value of any other Hay. Do not risk your crop of Alfalfa by sowing cheap or inferior seed. Our Alfalfa is the highest grade seed we can obtain, both in Purity and Germination. Price fluctuates. Present price—D. & B.'s Best, per lb. 23 cts.; 10 lbs. at 22 cts.; bushel, about \$12.75.



Harvesting Alfalfa.



Red Clover.

RED CLOVER—This is the common Red Clover so popular and well known everywhere—the farmer's friend, the soil restorer, the bountiful feed plant. Can be sown in the Spring from February 15th to April 1st; also from July 1st to October 1st, and will be ready for mowing the following spring. Sow 12 to 15 pounds to the acre. Present price D. & B.'s Best, per lb. 38 cts.; 10 lbs. at 37 cts.; bushel about \$21.50.

MAMMOTH or SAPLING CLOVER—Very much like the common Red Clover, but grows larger, of heavier growth and about 2 weeks later in maturing. Especially recommended for thin soils. Sow 12 to 15 pounds to the acre. Present price D. & B.'s Best, 39 cts. lb.; 10 lbs. at 38 cts.; bushel, about \$22.00.

CRIMSON or GERMAN CLOVER—Makes excellent green foliage, or if cut when in bloom will make good hay. Especially valuable for improving the soil, making a quick, heavy and very valuable crop for plowing under. May be sown to advantage among corn, cotton and tobacco at the last cultivation, and will afford a dense mat for turning under in spring. Sow 25 to 30 pounds to the acre from July to November. Present price—D. & B.'s Best—per lb. 25 cts.; 10 lbs. at 23 cts.; bus. about \$13.

WHITE BLOOMING CRIMSON CLOVER—Similar to Crimson Clover, except it has a white blossom instead of a crimson, and grows larger and is from 2 to 3 weeks later in maturing. Present price—D. & B.'s Best, 25 cts.; 10 lbs. at 23 cts.; bus. about \$13.00.

ALSIKE CLOVER—This is probably the best variety to sow with other grasses for a good mixed hay. On stiff, moist soil, makes pasture, but is chiefly valuable for hay. Stands cold well, on either wet or dry soils. Largely sown for bees. Sow 12 to 15 pounds to the acre. Present price—D. & B.'s Best, 32 cts. lb.; 10 lbs. at 31 cts.; bushel about \$18.00.

WHITE DUTCH CLOVER—Thrives in any soil or climate, and being of low, creeping growth, is especially valuable for pastures and lawns. Present price—D. & B.'s Best, per lb. 60 cts.; 10 lbs. at 58 cts. lb.; price in large quantity quoted on request.

WHITE BOKHARA, or SWEET CLOVER—This is a good clover to sow on poor or thin land as an improver and to prevent washing. It is very hardy and stands heat and drought remarkably well. It makes good grazing while young and also makes good quality hay if cut before it blossoms, but if allowed to grow tall or blossom it gets hard and woody. Is a good crop to sow to inoculate soil to be followed with alfalfa; is also valuable for bees; we would recommend a trial of this Clover on poor soil. Sow about 15 pounds to the acre. Present price, Fancy Recleaned and Scarified Seed, 35 cts. lb.; 10 lbs. at 34 cts.; 100 lbs. \$33.00.

Orange Co., Va., Sept. 26, 1917.
I have bought a large quantity of Seeds and as far as I have seen, results from your Peas, Clovers and Timothy, they have been eminently satisfactory, showing that you must exercise great care in selecting same.

Yours truly,
W. G. CRENSHAW, JR.

Mecklenburg Co., Va., Sept. 18, 1917.
I enclose herewith my check in settlement of your invoice for Alfalfa and Crimson Clover, and wish to thank you for your promptness shipping my order. I sowed the Seed the afternoon they arrived and from the "come-up" one would suppose that every Seed germinated.

Yours very truly,
C. D. WARREN.

Gloucester Co., Va., Feb. 1, 1917.
The Turnip and Clover Seed I bought of you last year were O. K., and believe the order enclosed herewith will prove the same.

Yours truly,
WM. F. HOLMES.

Grasses

The prices of all Field Seeds are constantly fluctuating, therefore we do not quote prices on these articles in quantity in our catalogue, but we will cheerfully quote firm prices and mail samples at any time on request. 2½ bushel Cotton Sacks to hold Clovers, Timothy and Herds' Grass and all fine seeds, will be charged for extra at cost, 45 cts. each.



Kentucky Blue Grass.

it is injured by close cutting or grazing. Thrives best on heavy moist soils, should not be sown on light, dry land. Good results are obtained if mixed with Red Top or Herd's Grass, Sapling Clover, Alsike or some grass maturing at the same time. Sow 15 pounds to the acre. Price fluctuates. Present price—D. B.'s Best, lb. 12 cts.; 10 lbs. at 11 cts.; per bus. of 45 lbs., \$4.50.

FANCY CLEANED HERD'S GRASS or RED TOP—This excellent pasture and hay grass does well on any soil. But, perhaps, thrives best on moist, heavy soils. It spreads and thickens from year to year, and will gradually supplant other grasses. Matures at the same time as Timothy with which it makes a good mixture. Sow 10 to 12 pounds to the acre. Price fluctuates. Present price—D. & B.'s Best, per lb. 15 cts.; 10 lbs., at 14 cts.; 100 lbs. \$13.50.



Tall Meadow Oat Grass. 14 lbs., \$1.65.

MEADOW FESCUE — Remains green all winter, making fine, nutritious pasture, and also yields well as a hay crop. Largely used for grazing. Sow about 30 pounds to the acre. Price fluctuates. Present price, per lb. 16 cts.; 10 lbs. at 15 cts.; per bus. of 14 lbs., \$2.15.

PERENNIAL RYE GRASS—Good for hay and pasture, if sown on strong moist soil, but does not stand drought well. It grows rapidly and matures very early, and lasts several years. Sow 30 pounds to the acre. Price fluctuates. Present price—per lb. 15 cts.; 10 lbs. at 12 cts.; per bus. of 14 lbs., \$1.65.

ORCHARD GRASS—This is one of the most reliable grasses for hay or pasture grown in this section, making quick, vigorous and continuous growth from early spring to winter. Sow 30 lbs. to the acre in the spring or fall, and in any soil; loamy upland is best. It is excellent to mix with other grasses. Price fluctuates. Present price—D. & B.'s Best, lb. 30 cts.; 10 lbs. at 28 cts. per lb.; bus. of 14 lbs., \$3.75.

TALL MEADOW OAT GRASS—A most valuable grass for the South, as it stands heat and drought well and flourishes on dry, light soils. Splendid for pastures and for hay; may be cut twice in a season. Sow 30 lbs. to the acre. Price fluctuates. Present price—D. & B.'s Best, lb. 25 cts.; 10 lbs. at 24 cts. lb.; bus. of 11 lbs., \$2.50.

TIMOTHY—Very nutritious, and salable for hay, but not so good for pasture, as

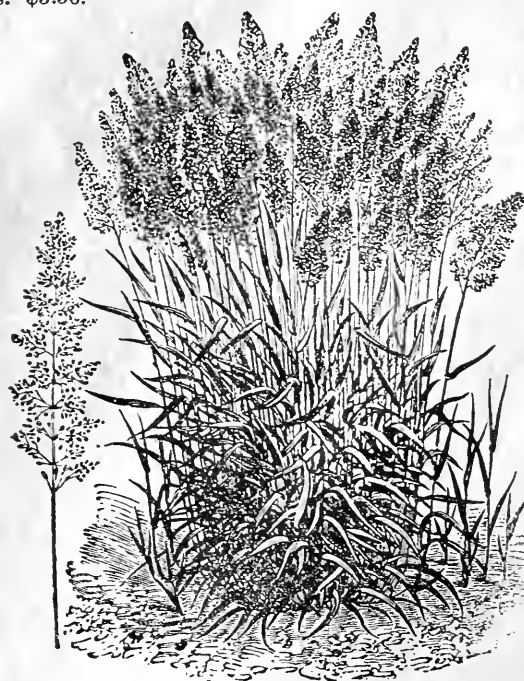
ITALIAN RYE GRASS—Larger and stronger than Perennial Rye Grass; has large, broad, glossy green blades. Thrives best on moist, fertile soils, furnishing three or four cuttings a year. Sow about 40 pounds to the acre. Price fluctuates. Present price—per lb. 15 cts.; 10 lbs. at 14 cts.; 100 lbs. \$13.00.

BERMUDA GRASS—A valuable grass for permanent sod, and especially recommended for dams and terraces, as it has long, tough roots and of a matty growth; prevents land washing; would not advise sowing on land which is to be planted in other crops, as it is very tenacious in habit and very hard to eradicate after it once gets a hold. It is very similar to our Virginia Wire Grass. Sow in March or April, 7 to 8 pounds to the acre in well prepared soil. Per lb. 55 cts. postpaid. By express, 45 cts. per lb.; 10 lbs. at 42 cts. per lb.

KENTUCKY BLUE GRASS—This grass succeeds best on limestone soil, but does well on any stiff soil. Stands cold, but does not do well in extreme heat. Grows slowly at first, making a thick, compact turf. First class for lawns or pasture. Succeeds better, however, when mixed with other grasses. Sow either in the fall or spring. 35 lbs. to 40 lbs. to the acre. Price fluctuates. Present price—per lb. 40 cts. postpaid. By express, 30 cts. lb.; 10 lbs. at 28 cts.; bushel of 14 lbs. \$3.50.



Orchard Grass.

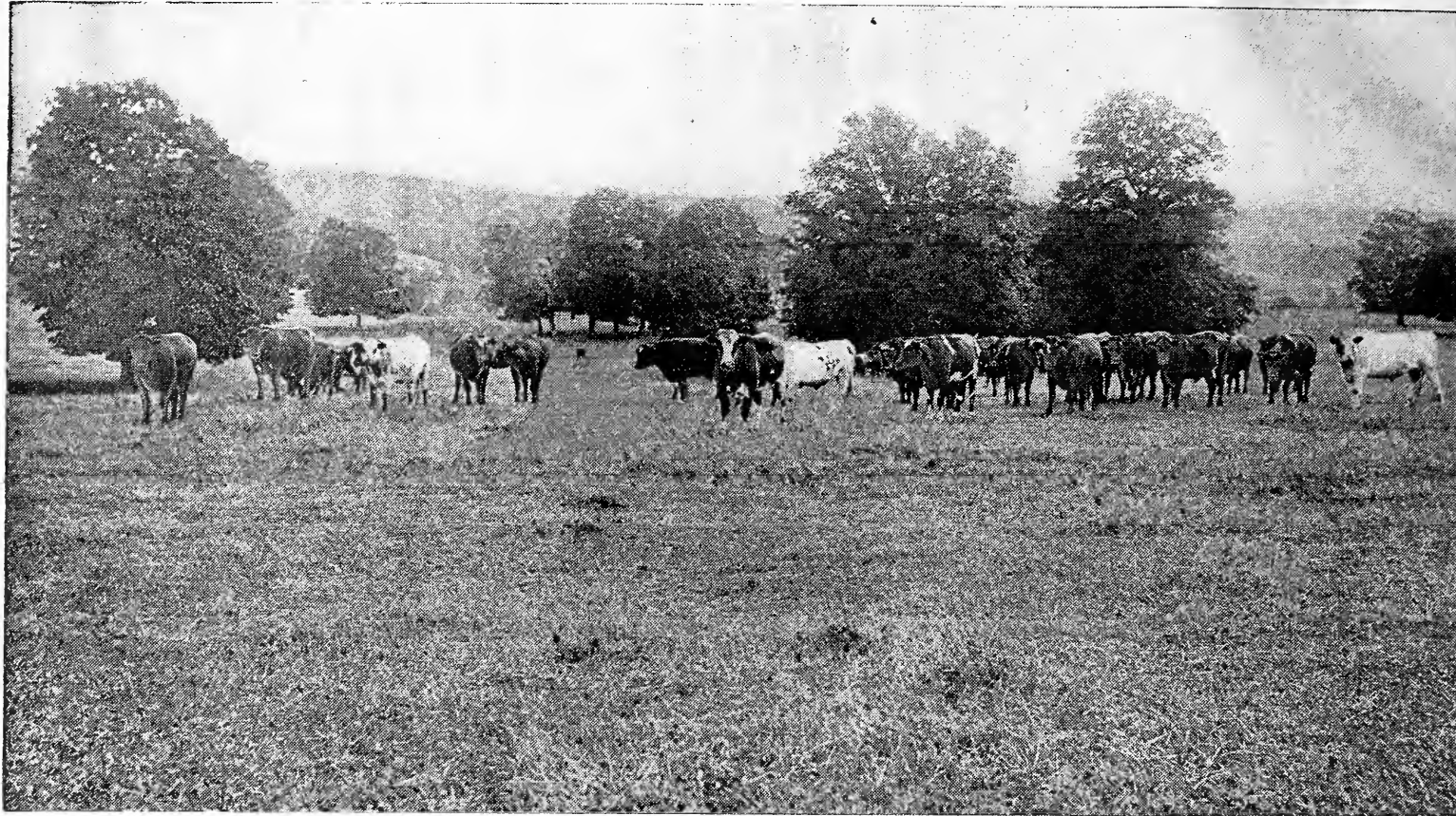


Red Top, or Herds Grass.

Prince Edward Co., Va., May 4, 1917.
I have been buying my Seeds from you for several years, and I have had fine results from them, and can say from my own experience that your Seeds are the best I have ever planted. I have used Seeds from many other houses, but have never gotten the same satisfactory results as I have with your Seeds.
Yours truly,
C. W. JUSTIS.

Granville Co., N. C., Feb. 19, 1917.
I like your Seeds fine, and recommend them to all of my friends and neighbors.
Yours truly,
MRS. YANCEY OAKLEY.

Amelia Co., Va., Feb. 21, 1917.
Your Seeds have always given us the best of satisfaction.
Yours truly,
MRS. J. TURNER SOUTHALL.



D. & B.'s Grass Mixtures

It has long been an established fact that Grass Seed sowed in mixture makes a far better yield of hay and also a better pasture than when one variety is sowed alone. We have made a study of Grass Mixtures and in offering the following we have the ideal mixtures for the purposes for which they are recommended. Only the highest grade of seed are used and they are thoroughly mixed in the proper proportions to get the best results. In the Hay mixtures we use only the Grasses which have proven the best to sow together and which mature and ripen together, which is, of course necessary to get the best crops. We have most flattering testimonials from many of our customers telling us of their enormous yields and splendid results they have had from seeding our mixtures. We recommend these mixtures with entire confidence, and we feel sure that they cannot be improved upon, but should any of our customers prefer different mixtures, we will be glad to mix the seeds in any proportion they may wish. These prices subject to market changes.

D. & B.'s Grass Mixture—No 1 For Hay or Pasture.

Recommended for light or loamy upland, for either hay crop or grazing purposes.

Composed of—Orchard Grass, Perennial Rye Grass, Tall Meadow Oat Grass, Red Clover, Alfalfa.

These Grasses mature and ripen together, making a splendid hay. Sow 30 to 35 lbs. to the acre. Price, per lb. 25 cts.; 10 lbs. at 24 cts. per lb.; 100 lbs. \$23.00.

D. & B.'s Grass Mixture—No. 2 For Pasture.

Recommended for light or loamy upland.

Composed of—Orchard Grass, Tall Meadow Oat Grass, Red Clover, Perennial Rye Grass, White Dutch Clover, Herds Grass, Alfalfa.

Sow 30 to 35 lbs. to the acre. Price, per lb. 23 cts.; 10 lbs. at 21 cts. per lb.; 100 lbs., \$20.00.

D. & B.'s Grass Mixture—No. 3 For Hay.

Recommended for stiff, heavy or low lands.

Composed of—Timothy, Herds Grass, Mammoth Clover, Alsike Clover, Meadow Fescue.

These Grasses mature and ripen together.

Sow 20 lbs. to the acre.

Price, per lb. 20 cts.; 10 lbs. at 19 cts. per lb.; 100 lbs., \$18.00.

D. & B.'s Grass Mixture—No. 4 For Pasture.

Recommended for stiff, heavy or low lands.

Composed of

Kentucky Blue Grass.
Alsike Clover.

Herds Grass.
White Dutch Clover.

Meadow Fescue.

Sow 30 to 35 lbs. to the acre.

Price, per lb. 25 cts.; 10 lbs. at 23 cts. per lb.; 100 lbs., \$22.00.



Buckingham County, Va., Aug. 2, 1917.

My brother and I bought a lot of Grass Seed from you in 1915, from which I am now harvesting the finest crop of Hay I have ever made.

Yours truly,

W. D. MOSELEY.

Seed Corns

All of our Field Corns are raised in Virginia, selected and grown under contract especially for seed purposes. The seed is saved only from the largest and best ears, and the ends of the ears are cut off before shelling, which leaves only the largest and best grains, which are used for seed.

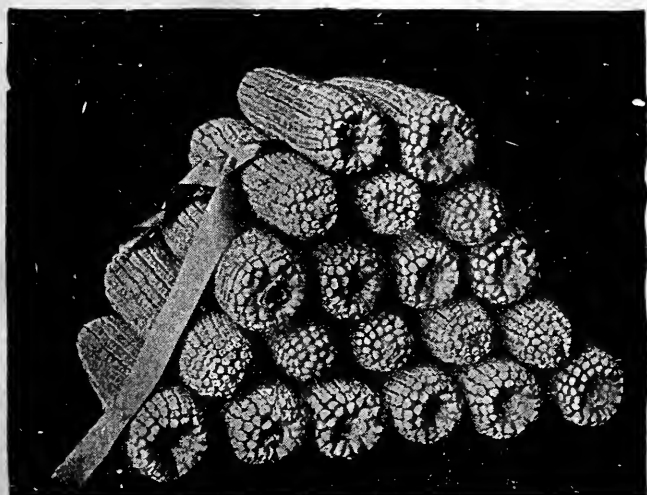
Owing to the great care we exercise in growing and selecting our Seed Corns and the superiority of our strains, the demand for our Corns has increased enormously. Not only is our trade among the farmers increasing, but we sell our corns in large quantities to many seedsmen in other States.



Prolific.
Thompson's

D. & B'S VIRGINIA STATE WHITE DENT.—Several years of careful breeding and selecting has developed this beautiful strain of large White Corn. It is a great improvement over the old White Dent. It is very hardy, uniform in size and productive. Is pure white, large ear, medium size cob, fills out well at both ends. Qt. 25 cts. (postpaid 35 cts.); peck \$1.00; bus. \$3.50; 5 bus. at \$3.40 per bus.

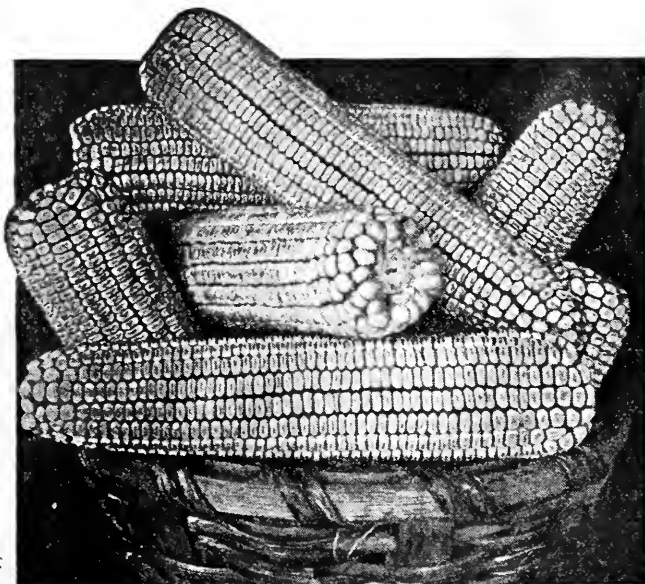
THOMPSON'S PROLIFIC.—This is a moderately early, pure white prolific corn, average 2 ears to the stalk. shoots low to the ground, stalk of medium height, has a prettily shaped ear of medium size, grains are a good size and somewhat harder than the Dent variety, and makes excellent meal. This Corn has become very popular, and we especially recommend it as the best prolific corn for medium land. Qt. 25 cts. (postpaid 35 cts.); peck \$1.00; bus. \$3.50; 5 bus. at \$3.40 per bus.



D. & B's Virginia State White Dent.

BOONE COUNTY WHITE.—A large eared variety of white corn. It has deep, soft and very white grains; it is a vigorous grower and has become very popular and has probably taken more premiums than any other variety of corn for the last few years. Being a soft corn it is excellent for stock feeding, but is more liable to rot on the stalks in a bad, wet season than harder varieties. Our seed is grown from premium stock. Qt. 25 cts. (postpaid 35 cts.); peck \$1.00; bushel \$3.50; 5 bus. at \$3.40 per bushel.

CASEY'S PURE BRED.—A large eared pure white Corn with a moderately deep grain. It is very attractive in appearance, and is early to mature, and while it is not, strictly speaking, a prolific Corn, it yields heavily. It somewhat resembles the well known Boone County White, but is considered by Corn experts a better variety, as it does not spoil easily in wet weather, which is a decided advantage over the Boone County White. Qt. 25 cts. (postpaid 35 cts.); pk. \$1.00; bu. \$3.50; 5 bus. at \$3.35 per bus.



Eureka Ensilage.

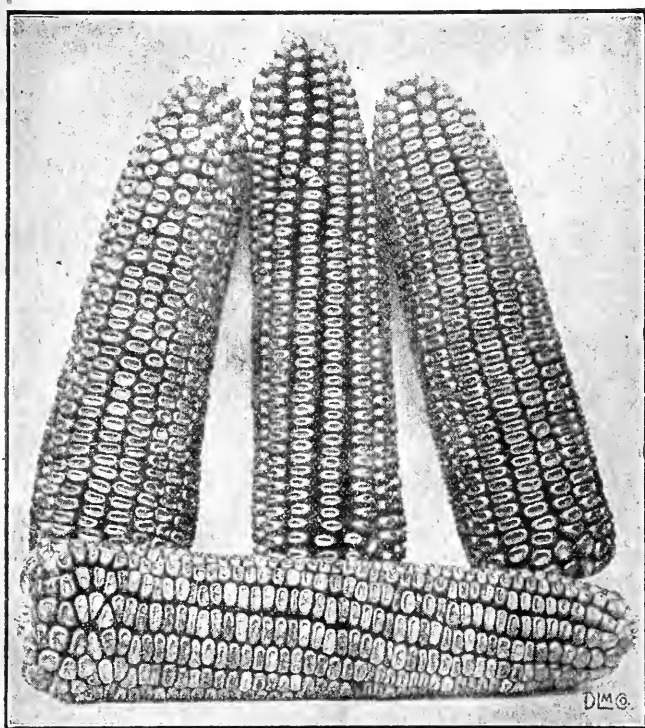
EUREKA ENSILAGE.—This variety is bred from the Cocks' Prolific. The ears are much larger and longer, but not as many to the stalk. The ears run from 9 to 12 inches long. It is a rather hard, pure white variety, and makes excellent meal. Is especially adapted to rich low grounds, and is one of the most valuable ensilage varieties. Qt. 25 cts. (postpaid 35 cts.); pk \$1.00; bus. \$3.40; 5 bus. at \$3.30 per bus.

CULPEPER CO., VA., Nov. 12, 1916.
The Eureka Corn you shipped me this year was planted on the Public Road between Culpeper and Madison C. H., Va. The growth of this corn caused much inquiry as to what kind it was. I have been told by a large number of good farmers that it is the best Corn they ever saw.

Yours truly, C. S. JONES.

Lowndes Co., Ala., April 7, 1917.
The 50 bags of Virginia White Dent Corn as ordered by the Department of Agriculture was received on time. I found the sacks full weight and the Seed Corn of excellent quality.

Very truly yours,
W. C. WINSTON, Co. Agt.
For Lowndes Co.



D. & B.'s Improved Golden Dent.

D. & B.'S IMPROVED GOLDEN DENT.—We have been carefully growing and selecting this corn for several years until now we have in it the most prolific and hardy yellow corn to be had for the South. It is not a flint variety, but being a

This variety is not considered a cow pea, but is of the English pea family. Has small seed and pods, grows 4 to 5 feet high and makes excellent early hay, also makes splendid hog food. We recommend sowing Rust-Proof Oats with these in February or March at the rate of 1 bushel peas and 1 bushel of oats to the acre. They also do well when sown in November with either wheat, rye, oats or barley. Our stock is the very best American grown Seed. Price fluctuates. Present price—\$4.60 bushel; 10 bushels at \$4.50 per bushel.

CANADA FIELD PEAS

FIELD OR COW PEAS

Prices of Cow Peas Are Frequently Changing. Write Us for Prices When Ready to Buy.

This is one of the best crops that can be grown for enriching the soil; even if the entire crop of vines are cut off and removed, the roots, by their ability to add nutritious qualities to the soil, improving the poorest land and enriching the richest. It is also a splendid forage and field crop, producing a heavy growth of excellent feed. All of our Cow Peas are thoroughly re-cleaned and put up in even weight, good sacks, all hulls, sticks, cracked and broken peas are taken out, and they should not be compared with peas commonly offered just as they come from the farmers hands, which are rarely ever re-cleaned and in very poor sacks. On account of the short crop of Cow Peas last season, the market prices are unsettled at the time this Catalogue goes to press.

TAYLOR, or LARGE GREY WHIP-POORWILL.—A large speckled pea with long pods, and makes a heavy yield of shelled peas. It matures early, and grows upright, also makes a large growth of vines. Peck \$1.10; bushel about \$3.90.

BLACK.—This is the popular variety for forage and for turning under. Very prolific, quick grower, rich and nutritious. Peck \$1.10; bushel about \$4.00.

moderately hard corn does not rot in the fields as does many varieties of yellow corn. It is exceptionally early, maturing in about 90 days. Qt. 25 cts. (postpaid 35 cts.); pk. \$1.10; bu. \$3.60; 5 bus. at \$3.50 per bu.

Selected ears on the cob, per bu. of 70 lbs. \$4.00.

WHITE GOURD SEED, or HORSE TOOTH.—A very deep grain corn, with large ears and small cob. One of the most popular Corns for medium or light land. Qt. 25 cts. (postpaid 35 cts.); pk. 95 cts.; bu. \$3.25; 5 bus. at \$3.15 per bu.

VIRGINIA ENSILAGE.—A large white corn with abundance of foliage which is used extensively for ensilage and fodder; also makes good yield of corn. Qt. 25 cts. (postpaid 35 cts.); pk. 95 cts.; bu. \$3.25; 5 bus. at \$3.15 per bu.

Black Eye Field Peas

For Table Use, Forage and Soil Improving, These Are Profitable to Sell Green or Dry for Winter Use.

EXTRA EARLY BLACK EYE.—Small size, but the earliest strain of the well known Black Eye Pea. Productive; good flavor, and especially valuable for market, owing to its extreme earliness. Pkt. 10 cts.; qt. 50 cts. (postpaid 60 cts.); pk. \$2.15; bushel \$7.50.

EARLY RAM'S HORN BLACK EYE.—A large second early Black Eye Pea, ripening just after the extra early; used as a table pea both green and dry. Qt. 50 cts. (postpaid 60 cts.); peck \$1.90; bushel \$6.75.

D. & B.'S JUMBO BLACK EYE.—This is the largest size of Black Eye Peas known. They yield well and on account of its extra large size, easily brings the highest market prices. Pkt. 10 cts.; qt. 50 cts. (postpaid 60 cts.); peck \$1.90; bushel \$6.75.

LARGE BLACK EYE.—The well known standard variety; good for table purposes, either green or dry. Qt. 50 cts. (postpaid 60 cts.); peck \$1.85; bushel \$6.50.

SMALL BLACK EYE.—A bunch variety, very productive; an excellent quality of dry pea for winter use. Qt. 45 cts. (postpaid 55 cts.); peck \$1.75; bushel \$6.25.



Cow Peas.

BRABHAM.—This pea resembles the well known brown Whip-poorwill, but is smaller; upright growth, holds its foliage well, making it a valuable pea for hay. Is very hardy and prolific in both peas and forage. Is rapidly becoming one of the most popular peas in the South. Peck \$1.10; bushel about \$4.00.

IRON.—We consider this pea probably the best variety to plant for a hay crop or forage. It also yields abundantly of peas. In some sections of the South it is sown almost exclusively. The seed of this variety is much smaller than other cow peas, consequently it does not take as many to seed an acre. Peck \$1.10; bushel, about \$4.00.

NEW ERA.—An extra early cow pea. Makes a very heavy growth of vine and is very prolific of peas, which are speckled and very small, and on this account it does not require near as many seed to an acre. One bushel or even less is sufficient. Peck \$1.10; bushel, about \$4.00.

WONDERFUL, or UNKNOWN.—Of late maturity, but produces a very large, heavy yield of vines and bountiful supply of peas. Plant in May or June. Peck \$1.10; bushel, about \$3.90.

WHIPPOORWILL.—Very early, brown speckled peas; vines grow in runners instead of runners. Pk. \$1.10; bushel about \$3.90.

CLAY.—Resembles the Black Pea in growth, but not as early. Heavy vines; prolific yield of peas. Pk. \$1.10; bus., about \$3.90.

MIXED COW PEAS.—We offer a choice mixture of the principal varieties, which many farmers think produces a thicker and better crop than any single variety. Pk. \$1.10; bus., about \$3.85.

COW PEAS MIXED WITH SOJA BEANS.—The advantage of sowing Cow Peas with Soja Beans for hay is that the strong, stiff stalks of the Beans hold up the peas so that they can be cut better, and they cure better and make better and more hay than either Peas or Beans when grown separately. Price, about \$3.95 per bushel.

Sorghums, Millets, and Fodder Plants



German Millet.

at the rate of about 5 lbs. to the acre, or if broadcast, about 25 lbs. Pkt. 10 cts.; lb. 35 cts. postpaid; by express 25 cts.; 10 lbs. and over at 20 cts. per lb.; 100 lbs. \$18.00.

KAFFIR CORN.—A popular forage crop. Heavy growth; very nutritious; grain makes a particularly valuable feed for stock and poultry. Especially good for sowing with cow peas. Present price—Lb. 10 cts.; 10 lbs. at 8 cts.; 100 lbs. about \$6.50.

YELLOW MILO MAIZE.—Largely used for feeding to cattle green; can be cut and fed green when 3 or 4 feet high, and will continue to grow out and can be cut until frost. Sow in May or June; 5 lbs. to the acre in drills. Per lb. 10 cts. (postpaid 20 cts.); 10 lbs. at 8 cts.; 100 lbs. about \$7.00.

Sudan Grass

This Grass was introduced into this country from Egypt, by the U. S. Department of Agriculture, in 1909, and has been thoroughly tested throughout the Southern States with excellent results. It can be cut twice, and with favorable seasons three times a year. It is an annual, and therefore has to be seeded each year. Grows 6 to 10 feet high, when drilled; or if seeded broadcast, 3 to 5 feet. In appearance, it is similar to the Johnson Grass, but as it does not root as deeply, is killed out through the winter, and can never become a pest, as has Johnson Grass in some sections of the South. It is, however, a great drought resisting Grass, and is easily cured, making a splendid hay crop, and all stock relish and thrive on it. This Grass should not be sown until the ground becomes thoroughly warm, about the first of May. Farmers in the South, who have grown this Grass, are very enthusiastic about it. This Grass has been sown very extensively in Virginia, and our customers have been very much surprised and gratified at the heavy yield and good quality of hay produced. It is no longer an experiment in this State, and will no doubt become a popular hay crop. Sow 5 lbs. to the acre in drills 2 feet apart; or if broadcast, 20 to 25 lbs. to the acre. Price per lb. 30 cts. (postpaid 40 cts.); 10 lbs. at 28 cts. per lb.; 100 lbs., \$27.00.

SUGAR DRIP SORGHUM.—This is decidedly the best variety for making syrup, also good for fodder, or green feed. Lb. 15 cts. (postpaid 25 cts.); bushel price quoted on request.

EARLY AMBER SORGHUM.—Grows 10 or 12 feet high; yields heavy nutritious forage, either dry or cured; very sweet, making good syrup. Sow broadcast, $1\frac{1}{2}$ bushels to the acre, in drills 1 peck. Price fluctuates. Lb. 10 cts. (postpaid 20 cts.); bushel prices quoted on request.

EARLY ORANGE SORGHUM.—Similar to Early Amber, but yields heavier. Price fluctuates. Lb. 10 cts. (postpaid 20 cts.); bushel prices quoted on request.

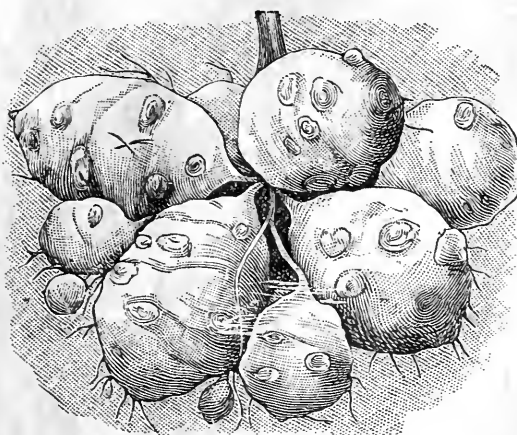
GERMAN, or GOLDEN MILLET.—This grass, if sown thickly, produces an enormous quantity of good feed. Sow from May to July; 1 bushel to the acre. Prices fluctuates. Lb. 10 cts. (postpaid 20 cts.); 10 lbs. at 9 cts.; 100 lbs. about \$8.00.

PEARL, or CAT-TAIL MILLET.—Sometimes called Pencilaria, this variety gives an enormous yield of very valuable forage. The plants grow about 12 feet high, but it may be cut at 3 feet when it will thicken up, and may then be cut continuously until frost, giving abundant supply of rich green food. It is also valuable when used as a dry hay, but it is usually sown in drills.



Kaffir Corn.

Jerusalem Artichokes



Jerusalem Artichoke.

Artichokes are grown only from tubers, like potatoes. They are very prolific and make excellent hog feed; claimed to be very healthy for stock, and said to be a preventive of cholera. The tops cut and cured like fodder make excellent forage; we consider it a most valuable crop, and those who raise hogs cannot afford to be without it.

Pk. 65 cts.; bu. \$2.00; special prices in large quantities.

The Cyclone Seed Sower

This is a splendid little Seeder at a very modest price. Sows any kind of seed evenly, also Fertilizers, Bone or Ashes. Will pay for itself in a few hours. Made of tin and fits the body snugly. Price, only \$2.00 each (mailing weight 5 lbs.).

The Cahoon Broadcast Seed Sower

The standard broadcast seeder and the best manufactured. Sows all kinds of grain, Clover, Timothy and heavy seeds. Very simple in operation and sows 4 to 6 acres an hour at a common walking gait. Distributes seeds uniformly in one-fifth the time required by hand. Circular on request. Price, only \$3.00.

Oats

BURT, or NINETY DAY OATS.—The best Spring Oats, as it is the earliest, nearly rust proof, hardy and vigorous, and yields more grain than any other spring oat. The seed resembles the Red Rust Proof, but is not as large or as heavy. Sow 2 bushels to the acre. Price fluctuates. Present price, \$1.25 per bu.; 10 bus. at \$1.22 per bu.

VIRGINIA GRAY WINTER or TURF OATS.—This has long been by far the most popular variety in this State, and has now extended into all parts of the South and West. Though a winter oat, they also succeed well if sown in the spring, making surest crop if sown by March 15th. Sow 1½ to 2 bushels to the acre. Price, about \$1.60 per bu.



RED RUST PROOF OATS.—A very desirable early variety for heavy soils and low, moist grounds, where rust attacks other varieties. Yields abundantly of large, heavy grain, but does not grow as tall as the winter oat. Sow 2 bus. to acre. Price fluctuates. Present price—Bu. \$1.15; 10 bus. at \$1.12 per bu.



Appl r Oats.

APPLER OATS.—An early large red Oat, similar to the Rust Proof, but hardier and yields more grain. Adapted to either spring or fall sowing. We highly recommend these oats. Price fluctuates. Present price—Per bu. \$1.35; 10 bus. at \$1.30 per bu.

WHITE SPRING OATS.—A large, heavy White Oat for spring seeding. Sow 2 bushels to the acre. Present price—D. & B.'s Best, per bu. \$1.15; 10 bus. at \$1.12 per bu.

TEXAS RUST PROOF OATS.—A large and heavy strain of the Rust Proof Oats. They make a heavier yield than the Old Rust Proof. This is a good oat. Present price—per bushel \$1.35; 10 bushels at \$1.30 per bu.

FULGHUM OATS.—This oat is of a rust proof type, somewhat earlier than the Appler, and is a heavier yielder. Is largely used in the South. Present price—per bushel \$1.70; 10 bus. at \$1.65 per bu.

WINTER RYE.—This is largely cultivated for pasture in winter, for earliest green feed, and for turning under as well as for the grain. Sow from July to December; 1½ to 2 bushels to the acre. Write for prices.

WINTER BARLEY.—Sow from September to November; 1 to 1½ bus. to the acre. Price fluctuates. Write for prices.

SEED WHEATS.—We will have in season all of the best varieties Seed Wheat. Send for special price list in September.

100-Day Velvet Beans

This is a very rapid growing bean, and makes a larger growth than any other pea or bean known. They are especially recommended for improving poor, worn out lands. Can be sown broadcast, but we think it best to plant in drills and cultivate them once. After they get started they will soon cover the ground with vines so dense that it is difficult to plow them under. We

recommend turning stock on them, and let them eat and trample down the vines, which can then be turned under or left until spring. Should be planted in May or June, 1 or 2 pecks to the acre, in drills; or 1 bushel broadcast.

In the South they are also largely planted in the Corn. After the Corn is well up and started off growing, 2 Beans are dropped between the hills, the Beans are very vigorous and make a strong quick growth from the start and produces a most luxuriant growth of vine. After the Corn crop is harvested the Beans are left on the land or turned under, which greatly improves the soil, or stock may be turned in to feed on them, as stock thrive and fatten on them quickly. In the South these Beans are considered one of the greatest land improvers yet known. 1 lb. 15 cts. (postpaid 25 cts.); bushel about \$2.50.

OSCEOLA VELVET BEAN.—This is comparatively a new variety, but was planted by many farmers in the South this past season, who report excellent results from it. It is said to combine the earliness of the Early Speckled Bean together with the heavy yielding qualities of the later sorts. Lb. 15 cts. (postpaid 25 cts.); bushel of 60 lbs., about \$3.00.

Navy Beans

A very profitable market crop and a good table bean. Only the dried beans are used. Plant in June or July in 3-foot rows; about 20 lbs. to the acre. Height 12 inches. Per lb. 20 cts. (postpaid 30 cts.); 10 lbs. at 18 cts. per lb. Write for price in large quantities.

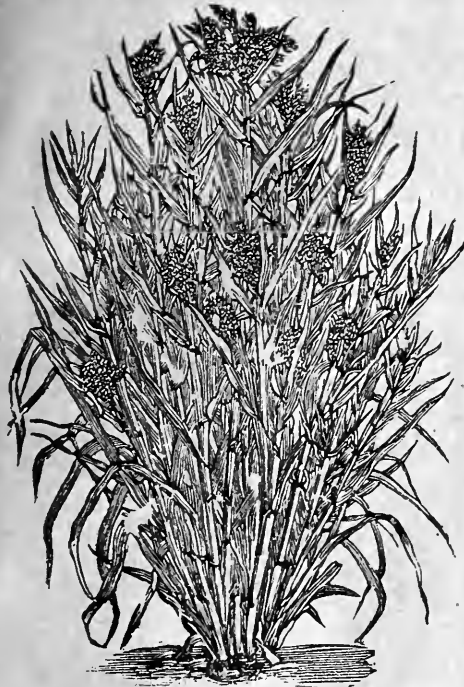
WHITE TEPARY BEANS.—This is a White Bush Bean similar in appearance to the well known Navy Bean, but the Beans are of smaller size. This bean is grown very extensively in the Southwest, as it is a great drought resister, when weeks elapse between rains the Tepary takes care of itself, returning to its full vigor immediately when rain comes. It is hardy and of quick growth, yields abundantly and is almost sure to make a good crop regardless of weather conditions. Lb. 20 cts. (postpaid 30 cts.); 10 lbs. at 18 cts.; 100 lbs. \$17.00.



Soja Beans.

Mammoth Yellow Soja Beans

A splendid forage crop, nutritious, heavy growth; improves soil, makes good ensilage, and withstands drought better than any other forage crop. Makes excellent hog feed. Sow 1 to 1½ bushels to the acre; broadcast, or plant in drills, ½ bushel to the acre, and cultivate like corn. 1 lb. 10 cts. (postpaid 20 cts.); pk. \$1.25; bushel about \$4.40.



Teosinte.

Teosinte

This is a valuable fodder plant, resembling corn, but with larger leaves and sweeter stalks. Much relished by stock either green or as dry fodder. Yields enormous crops, and may be cut five or six times a year. Stalks 10 or 12 feet high. Drill in May or June, 3 lbs. to the acre. Per oz., 5c.; ¼ lb. 20 cts.; lb. 50 cts. (postpaid 60 cts.).

Broom Corn

Green color; grows long, straight; brings highest market price for making brooms. Best variety. Sow in 3-foot drills and thin plants to 3 inches. Sow 5 lbs. to acre. Pkt. 10 cts.; lb. 15 cts. (postpaid 25 cts.); 10 lbs. at 12 cts.; 100 lbs. quoted on request.

Dwarf Essex Rape

Excellent for grazing sheep, hogs and all kinds of stock. Especially valuable for sheep and hogs with young, as it is an excellent milk producer. The young animals will also eat it with relish. It is hardy, stands cold, and ready in eight weeks after sowing. Sow 10 lbs. to the acre broadcast; 5 lbs., if drilled. Per lb. 15 cts. (postpaid 25 cts.); 10 lbs. at 14 cts.; 100 lbs., \$13.00.



Spring Vetches.

Vetches

A nutritious and valuable forage and soil-improving crop. Large and quick growth. Sow 25 pounds to the acre, with Oats, Wheat, Rye, or Barley.

SAND, HAIRY, or WINTER VETCH.—Sow from July to November, preferably with grain, which will hold Vetch off the ground. Sow 25 lbs. to the acre with grain. Per lb. 21 cts. (postpaid 30 cts.); 10 lbs. at 20c per lb.; 100 lbs., \$19.00.

OREGON, or SPRING VETCH.—This variety has larger seed, and makes a coarser growth than the Hairy Vetch, and may be sowed either in the Spring or Fall. If seeded in the Spring sow 25 lbs. to the acre with 1 bushel Appler or Rust Proof Oats, which will make excellent early hay. Lb. 10 cts. (postpaid 20 cts.); 10 lbs. at 8 cts.; 100 lbs., \$7.00.

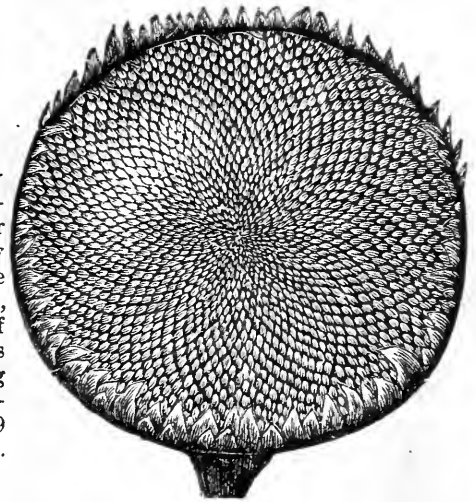
AUGUSTA VETCH (or Part-ridge Pea).—This is a small seeded, narrow leaved Vetch, which is hardy and stands droughts well, it can be seeded either in the Spring or Fall. It is

early to mature, and makes good grazing or hay. Should be sowed at the rate of 20 lbs. to the acre when seeded alone and when seeded with oats, about 15 lbs. of Vetch with 1 bu. of oats. Per lb. 15c (postpaid 25c); 10 lbs at 10c; 100 lbs. \$9.00.

Orange Co., Va., April 14, 1917.
I have been using your Seed for several years, and am much pleased with them.
Yours truly, HUGH BROOKING.

Mammoth Russian Sunflower

This is highly prized by poultry raisers and farmers as a cheap food for fowls. It is immensely productive, and can be raised cheaper than corn, as any waste piece of ground will suffice. It is a good egg producing food. Per lb. 10 cts. (postpaid 20 cts.); 10 lbs. at 9 cts. per lb.; 100 lbs. \$8.00.



Peanuts

Plant in May, 12 inches apart, in 3-foot drills. Cultivate flat, keep well worked. Peanuts should be shelled before planting.

SPANISH.—Nuts small, and have a thin hull, full kernel, and yield enormously. The vines and roots make excellent food for stock. In the hull, per lb. 20 cts. (postpaid 30 cts.); 10 lbs. at 16 cts. per lb.; 100 lbs., \$15.00.

Shelled, per lb. 30 cts. (postpaid 40 cts.); 10 lbs. at 28 cts.; 100 lbs., quoted on request.

VIRGINIA JUMBO.—A large variety of the well-known Virginia Peanut. In the hull, per lb. 25 cts. (postpaid 35 cts.); 10 lbs. at 22 cts.; 100 lbs., quoted on request.

VALENCIA.—These are dull red in color of medium size, heavy yielder and has long pods, sometime having three or four Peanuts in a pod. It is probably the hardest Peanut in cultivation. It is mild in flavor and becoming popular wherever grown. Lb. 22 cts. (postpaid 30 cts.); 10 lbs. at 20 cts.; 100 lbs., \$19.00.



Dwarf Essex Rape.

Japanese Buckwheat

This is a profitable crop for either grain, flower food for bees, soil enricher, or to kill out weeds. Splendid for poultry. Sow 1 bushel to the acre in June, July or August. Price about \$2.25 bu

Poultry Foods

ALL PRICES SUBJECT TO MARKET FLUCTUATIONS

GLOBE POULTRY SCRATCH FOOD—This is scientifically prepared by practical poultry experts to meet all the demands of growing and full-grown fowls.

Only materials that grade in every respect up to a high standard are used—carefully selected cracked and whole grains and seeds, sunflower, oil cake, buckwheat and charcoal, sifted and re-cleaned until they are entirely free from dust and chaff. This Scratch Feed is a complete and balanced ration for grown fowls in all seasons. Price (with grit and shell mixed in it), 10 lbs. 50 cts.; 25 lbs. \$1.25; 50 lbs. \$2.35; 100 lbs. \$4.50; 500 lbs. at \$4.45 per 100 lbs.; 1,000 lbs. at \$4.40 per 100 lbs.

We also offer Globe Poultry Food without grit or shell in it at \$4.25 per 100 lbs.; 500 lbs. at \$4.20 per 100 lbs.; 1,000 lbs. at \$4.15 per 100 lbs.

GLOBE DEVELOPMENT FOOD—Has the same ingredients as the Globe Poultry Food, except it is ground finer for chickens from 4 weeks old and up. 10 lbs. 50 cts.; 25 lbs. \$1.25; 50 lbs. \$2.30; 100 lbs. \$4.40.

GLOBE BABY CHICK FOOD—A complete grain feed for chicks up to 8 weeks old. It is a standard mixture of re-cleaned cracked grains and seed, hulled oats, fine granulated bone and fine charcoal. It produces healthy and rapid growth, and is intended for feeding until the chickens are large enough to be fed the Globe Scratch Feed. A trial will demonstrate its feeding value. 10 lbs. 50 cts.; 25 lbs. \$1.30; 50 lbs. \$2.35; 100 lbs. \$4.50; 500 lbs. at \$4.45; 1,000 lbs. at \$4.40 per 100 lbs.

QUEEN POULTRY MASH—A selected mixture of ground feeds, manufactured from the choicest sound, sweet and wholesome grains. It is carefully prepared and contains ingredients in proper proportions essential to the health and growth of the fowl. It is a splendid bone builder and especially helpful during the moult. Also contains beef scraps and charcoal, recognized necessities for health and egg production.

This mixture is especially formulated to meet the demands for a high-grade mash feed, and is suitable for either the morning, noon or evening meal, whichever method preferred, or may be kept before the fowls in a hopper in a dry form, and they will eat only as much as they need.

Mix with warm water during the cold weather, and feed crumbly. 10 lbs. 45 cts.; 25 lbs. \$1.15; 50 lbs. \$2.05; 100 lbs. \$3.85.

CRUSHED OYSTER SHELLS—Indispensable for successful poultry keeping, as it aids digestion and the formation of egg shells. It is best to have it where the fowls can get at it all the time, as they will not eat any more than they need. In ordering please state whether the "fine" size is wanted for chicks and pigeons, or the "regular" size for grown fowls. 5 lbs. 10 cts.; 25 lbs. 30 cts.; 100 lbs. 80 cts.; 500 lbs. at 75 cts.

KING PIGEON FOOD—Right feeding of pigeons is considered something of a problem. Most raisers do not understand either the pigeon or its feeding as well as they do poultry. The true fancier—the man who raises birds for their beauty, for the show, for the pleasure there is in it, or for sporting—finds in King Pigeon Food a combination suited to his needs.

The seeds are especially chosen for pigeon feeding; only those that have proven to be best adapted for this particular purpose are used. It is made of various grains, peas and seeds, all clean, well matured, and always of a size so that the birds, young or old, are able to use every particle of it. Without grit and shall mixed in it, 10 lbs. 55 cts.; 25 lbs. \$1.35; 50 lbs. \$2.55; 100 lbs. \$4.90. (With grit and shell mixed in it), 10 lbs. 55 cts.; 25 lbs. \$1.30; 50 lbs. \$2.45; 100 lbs. \$4.70.

ALFALFA MEAL—This is Alfalfa Clover, cured green and cut fine for poultry. To be fed in a mash, or dry, can be used alone or mixed with other mash food. It is an excellent substitute for green grass, and increases egg production in winter. 10 lbs. 35 cts.; 25 lbs. 80 cts.; 50 lbs. \$1.45; 100 lbs. \$2.75; 500 lbs. at \$2.70 per 100.

RAVA MEAT MEAL—A pure lean-beef fibre, carefully dried while fresh, and will keep indefinitely. Its thorough dryness and the entire absence of any taint or unpleasant odor make it a most excellent form of food for chickens and other fowls, as also for dogs. It is excellent for hopper feeding and may be mixed and fed in a mash to great advantage. It contains 85 per cent. protein and 7 per cent. fat, and is clean and free of all preservatives and chemicals. 10 lbs. 75 cts.; 25 lbs. \$1.75; 50 lbs. \$3.25; 100 lbs. \$6.25.

DARLINGS BEEF SCRAPS—An excellent egg-making winter feed for fowls. 5 lbs. 35 cts.; 10 lbs. 60 cts.; 25 lbs. \$1.60; 50 lbs. \$2.90; 100 lbs. \$5.60; 500 lbs. at \$5.50.

DARLING'S MEAT CRISPS—A concentrated poultry food, made of meat. 3-lb. pkg. 35 cts.; 6½-lb. pkg. 70 cts.

BLOOD MEAL—Splendid for poor, weakly fowls, also for calves and hogs, but too rich to feed much at a time. 10 lbs. 90 cts.; 25 lbs. \$1.90; 50 lbs. \$3.60; 100-lb. sack \$7.00.

PEARL POULTRY GRAT—This grit is manufactured especially for poultry. It is essential in the poultry yard, to keep fowls in a healthy condition. Size No. 1 for small chickens and pigeons; size No. 2 for grown fowls. 10 lbs. 20 cts.; 25 lbs. 35 cts.; 100 lbs. 85 cts.; 500 lbs. at 80 cts.

POULTRY MUSTARD—Prepared for poultry use, especially recommended for use during moulting season; keeps fowls in a healthy condition and increases the egg production. 1½-lb. pkg. 40 cts.; by mail 50 cts. postpaid; 3-lb. pkg. 75 cts.; by mail 90 cts. postpaid; 5-lb. pkg. \$1.25; by mail \$1.40; postpaid; 10-lb. pkg. \$2.40 by express; 25-lb. pail \$6.00 by express.

D. & B'S CHARCOAL—We have had this charcoal put up for us to meet the demand for an evenly graded charcoal, free from dust and useless dirt.

Charcoal aids digestion, promotes health, and is generally corrective of many of the poultry ills to which fowls are heir. A little charcoal goes a long way and is worth its weight in gold. No poultryman can afford to be without it. It is put up in three sizes—Fine: for chicks. Medium: for half-grown fowls and pigeons. Coarse: for full-grown fowls. When ordering state what size is wanted. Prices, 2-lb. cartons, printed with directions for feeding. 10 cts. each; 10 lbs. 45 cts.; 50-lb. sacks \$1.50 each.

STERLINGWORTH SALT CAT—This is a scientific combination of those aromatic and tonic properties contained in such seed and roots as gentian, anise, coriander, etc., combined with sulphur, charcoal, limestone, salt, bone, and other materials that are generally recognized by pigeon keepers as aiding digestion, promoting good health and egg production in pigeons and game fowls; and is unequalled for keeping pigeons in vigorous health. Pigeon keepers who have used it give it an excellent recommendation. Price per brick, by mail postpaid, 20 cts.; by express, 15 cts.; per doz. \$1.25 by express.

KAFFIR CORN—This is a splendid food for growing or full grown fowls. 10 lbs. 60 cts.; 100 lbs. \$5.00.

MILLET SEED—A good food for baby chicks and birds. 10 lbs. 60 cts.; 50 lbs. \$2.65; 100 lbs. \$5.00.

CRACKED CORN—10 lbs. 55 cts.; 50 lbs. \$2.45; 100 lbs. \$4.75.

COARSE GROUND CORN MEAL—10 lbs. 55 cts.; 50 lbs. \$2.45; 100 lbs. \$4.75.

WHITE FEED CORN—Peck 60 cts.; bus. \$2.25.

YELLOW FEED CORN—Peck 60 cts.; bus. \$2.25.

WHITE FEED OATS—Bus. \$1.10; 5 bus. and over at \$1.05.

BUCKWHEAT—For poultry feeding. 10 lbs. 60 cts.; 50 lbs. \$2.50; 100 lbs. \$4.50.

SUNFLOWER SEED—A rich food for grown fowls and parrots. Lb. 10 cts.; 10 lbs. 80 cts.; 100 lbs. \$7.50.

CANADA FIELD PEAS—A good food for poultry and pigeons. 10 lbs. 90 cts.; 100 lbs. \$8.00.

HEMP SEED—For pigeons, parrots and poultry feeding. Lb. 10 cts.; 10 lbs. 85 cts.; 100 lbs. \$7.00.

BIRD RAPE—Lb. 10 cts.; 10 lbs. 90 cts.; 100 lbs. \$8.00.

CANARY SEED—Per lb. 12 cts.; 10 lbs. \$1.10.

MIXED BIRD SEED—Lb. 12 cts.; 10 lbs. \$1.10.

FLAX SEED—Lb. 12 cts.; 10 lbs. \$1.00; 100 lbs. \$9.00.

CUTTLE FISH BONE—Lb. 75 cts.

STOCK FOODS

HONEYSUCKLE FOOD—A ground Alfalfa and molasses food for dairy cattle which largely increases the flow of milk. 100 lbs. \$2.65; ton \$51.00.

HOBBY HORSE FOOD—A splendid ground, mixed grain food for horses and stock. 100 lbs. \$3.00; ton \$51.00.

SHIP STUFF—From winter wheat. 100 lbs. \$2.75; ton \$53.00.

SHIP STUFF—Spring wheat. 100 lbs. \$2.60; ton \$50.00.

WHEAT BRAN—100 lbs. \$2.50; ton \$48.

COTTON SEED MEAL—100 lbs. \$3.40; ton \$66.00.

LINSEED MEAL—100 lbs. \$3.50; ton \$68.

GLUTEN MEAL—100 lbs. \$3.50; ton \$68.

SAL-VET.—A medicated Salt which rids all stock of stomach and intestinal worms, aids digestion and prevents cholera and other diseases. 15-lb. pkg. \$1.25; 40-lb. pkg. \$2.50; 100-lb. keg \$5.50; 200-lb. barrel \$10.00; 300-lb. barrel \$14.00.

PRATTS ANIMAL and POULTRY REGULATORS and REMEDIES

Satisfaction Guaranteed or Money Back.

Healthy birds and lots of eggs, the two big things in poultry raising, are made certain by giving

Pratts Poultry Regulator

It builds up vitality, insures sound digestion, sharpens appetite and prevents disease, thus putting birds in condition for heavy egg laying or winning blue ribbons.

25 lb. pail, \$2.50; 12 lb. pail, \$1.25; packages, 50 cts. (post wt. 5 lbs.), 25 cts. (post wt. 3 lbs.).

When baby chicks come, keep them healthy and growing, and bring even the weak ones along by feeding

Pratts Baby Chick Food

A largely predigested baby food for baby chicks. Guaranteed to raise every livable chick. Costs a cent a chick for three weeks. Prevents leg weakness, white diarrhoea, "pasting up" and other chick diseases.

25 lb. bag, \$2.25; 14 lbs for \$1.25; packages 60 cts. (post wt. 8 lbs.), and 30 cts. (post wt. 4 lbs.).

Don't let ROUP cut your profits. The sure and easy "ounce of prevention" against this dangerously contagious disease is

Pratts Powdered Lice Killer

Effective, non-poisonous, non-irritating. May be used wherever a powder is suitable. A splendid deodorizer. Will kill lice on horses, cattle, dogs, cats, and plants.

50 cts. pkg. (post wt. 3 lbs.), and 25 cts. pkg. (post wt. 2 lbs.). This is NOT a special offer, because at the regular price you get more for your money when you buy

Pratts Roup Remedy

Quickly absorbed by the blood, purifies the system, reduces fever, allays inflammation. The safe remedy for roup, colds, catarrh and all bad weather diseases.

Tablets or Powder, \$1.00; 50 cts.; 25 cts. (post wt. 1 lb.).

Pratts Poultry Disinfectant

Three times as powerful as crude carbolic acid. A sure deodorizer, germicide and liquid lice killer. Use it for roup, colds and other contagious diseases.

Sold also in quart cans, 50 cts., and half-gallon cans, \$1.00. Gallon \$1.75.

PRATTS WHITE DIARRHOEA REMEDY—50 cts. (post wt. 1 lb.), and 25 cts. (post wt. 4 ozs.).

PRATTS SORE HEAD AND CHICKEN POX REMEDY—50 and 25 cts. (post wt. 1 lb.).

PRATTS CHOLERA REMEDY—50 and 25 cts. (post wt. 1 lb.).

PRATTS ANIMAL REGULATOR—25 lb. pails, \$3.50; 12 lb. pail, \$2.00; packages \$1.00, 50 cts. (post wt. 4 lbs.), and 25 cts. (post wt. 2 lbs.).

PRATTS HEAD LICE OINTMENT—25 cts. (post wt. 1 lb.), small pkg 10 cts; by mail 15 cts.

PRATTS SCALY LEG REMEDY—25 cts. and 50 cts. (post wt. 1 lb.).

PRATTS GAPE REMEDY—25 cts. and 50 cts. (post wt. 1 lb.).

PRATTS PINK EYE REMEDY—Per bottle 60 cts. Cannot mail.

PRATTS COW REMEDY—Pkg. 50 cts. (post wt. 2 lbs.).

PRATTS VETINARY COLIC REMEDY—Pkg. 60 cts. (post wt. 7 oz.).

PRATTS HEAVE CURE—Pkg. 50 cts. (post wt. 2 lbs.).

PRATTS HOOE OINTMENT—Pkg. 25 cts. (post wt. 6 oz.).

PRATTS FLY CHASER—1 qt. can, 35 cts.; 2 qt. can, 60 cts.; 4 qt. can, \$1.00. (Cannot mail.)

PRATTS HARNESS SOAP—Pkg. 25 cts. (postpaid 31 cts.).

DR. HESS POULTRY PANACEA—Helps to keep poultry healthy and makes them lay. 1½-lb. pkg. 25 cts.; 5-lb. pkg. 60 cts.; 12-lb. pkg. \$1.25; 25-lb. pail \$2.00.

DR. HESS STOCK FOOD—Keeps stock in

a healthy condition. 2-lb. pkg. 25 cts.; 5½-lb. pkg. 50c.

DR. HESS ROUP CURE—Pkg. 25 cts. (postpaid 30 cts.).

INTERNATIONAL STOCK FOOD—A good medicinal stock food for horses, cat-

tle, sheep and hogs. 1½-lb. pkg. 30 cts.; 3-lb. pkg. 60 cts.; 25-lb. pail \$4.00.

INTERNATIONAL POULTRY FOOD—A well known medicinal poultry food and tonic. 1½-lb. pkg. 30 cts.; 3-lb. pkg. 60 cts.; 6-lb. pkg. \$1.25; 25-lb. pail \$3.00.

CONKEY'S REMEDIES

CONKEY'S POULTRY REMEDIES

These reliable remedies are well known and are guaranteed to cure when used according to directions. Our rapidly increasing sales prove the efficiency of these valuable remedies. Pamphlet mailed free on request. Full directions for using with each package.

CONKEY'S CHOLERA REMEDY—Small pkg. 30 cts.; postpaid 36 cts.; large pkg. 60 cts.; postpaid 66 cts.

CONKEY'S ROUP REMEDY—Small pkg. 30 cts.; postpaid 36 cts.; large pkg. 60 cts.; postpaid 66 cts.

CONKEY'S CANKER SPECIAL—For canker, colds, roup, bronchitis, swelling and sores. 2-oz. pkg. 60 cts. (cannot mail).

CONKEY'S POULTRY LAXATIVE—Pkg. 25 cts.; postpaid 31 cts.

CONKEY'S CONDITIONER—Pkg. 60 cts.; postpaid 70 cts.

CONKEY'S BUTTERMILK STARTING FOOD—Splendid food for baby chicks from 1 to 10 days old. Pkg. 25 cts. (postpaid 35 cts.); large pkg. 50 cts. (postpaid 65 cts.).

CONKEY'S GAPE REMEDY—Small pkg. 30 cts.; postpaid 36 cts.; large pkg. 60 cts.; postpaid 66 cts.

CONKEY'S SCALY LEG REMEDY—Small pkg. 30 cts.; postpaid 36 cts.

CONKEY'S CHICKENPOX AND SORE-HEAD REMEDY—Small pkg. 25 cts.; postpaid 31 cts.; large pkg. 50 cts.; postpaid 56c.

CONKEY'S LAYING TONIC—1½-lb. pkg. 30 cts.; postpaid 38 cts.; 3½-lb. pkg. 60 cts.; postpaid 72 cts.

CONKEY'S BRONCHITIS REMEDY—Pkg. 50 cts.; postpaid 56 cts.

CONKEY'S POULTRY WORM REMEDY—Small pkg. 30 cts.; postpaid 36 cts.; large pkg. 60 cts.; postpaid 66 cts.

CONKEY'S LICE POWDER—5-oz. pkg. 15 cts.; postpaid 20 cts.; 15-oz. pkg. 30 cts.; postpaid 38 cts.

CONKEY'S LIQUID LICE KILLER—1-qt. can 50 cts.; 2-qt. can 75 cts.; 1 gallon can \$1.00. (Cannot mail.)

CONKEY'S WHITE DIARRHOEA REMEDY—Small pkg. 30 cts. postpaid 36 cts.; large pkg. 60 cts.; postpaid 66 cts.

CONKEY'S POULTRY TONIC—Pkg. 25 cts.; postpaid 31 cts.

CONKEY'S LIMBER NECK REMEDY—Pkg. 60 cts.; postpaid 66 cts.

CONKEY'S NOX-I-CIDE—A splendid disinfectant and insecticide, very powerful and a small quantity will go further than most disinfectants. Recommended for use in the house, poultry house and stable. 1 pint can 40 cts.; 1 qt. can 70 cts.

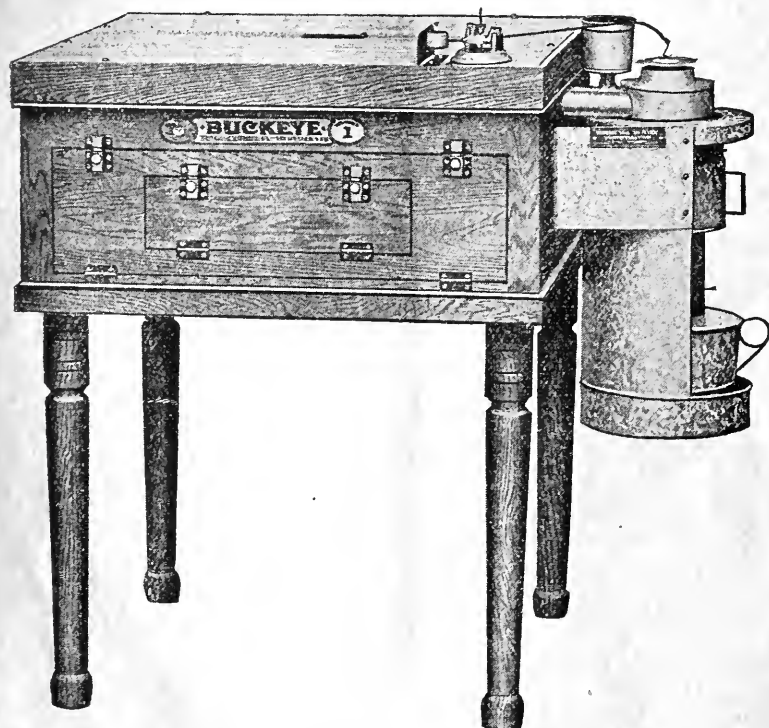
CONKEY'S FLY KNOCKER—Is recommended for spraying all kinds of stock and stables for keeping off the flies; an effective preparation. 2-qt. can 75 cts.; 1-gal. can \$1.25.

"D. & B.'S" LICE KILLER

This is a fluid of such strength and so compounded that the gaseous vapor given off by it kills lice, mites and similar insects without coming in contact with them, and is not injurious to fowls, animals or poultry. It is very efficacious for destroying lice on fowls of all kinds, horses, cattle and hogs. It also kills lice on roses and other flowering plants. It may be applied with an ordinary hand sprayer, or a white-wash brush. We recommend the use of our glass tank sprayer. One quart bottle 35 cts.

Buckeye Incubators

We are the Authorized Agents for the Celebrated Buckeye Incubators.



These are hot-water machines, well made and easy to operate. Owing to the satisfactory operation and the moderate price at which they are sold, there are probably more Buckeye Incubators in use today than any other make.

These machines are sold under an absolute guarantee and with good treatment will last for years. They are so simple that a beginner can operate them without any previous experience. These Incubators are equipped with every desirable device that can possibly add to Incubator efficiency and are pronounced by experts to be the best hatchers.

Full descriptive and illustrated catalogue mailed free on request. If interested in Poultry, Incubators, Brooders or Hovers, be sure and ask for one.

Hanover Co., Va., June 16, 1916.

I bought from you one of your 50 egg Buckeye Incubators and have set it three times. Out of the first setting of 50 eggs I hatched 46 chickens and out of the second setting 48 chicks, and out of the third setting 42 chicks. It is indeed a splendid machine and I would not give it for any incubator I know of.

Yours truly,

E. L. PURCELL.

		Price
No. 14—Style E (short legs).....	65 Egg Capacity	\$10.50
No. 15—Style H	65 Egg Capacity	14.50
No. 16—Style E	120 Egg Capacity	18.50
No. 17—Style E	210 Egg Capacity	24.50
No. 60—Standard	65 Egg Capacity	17.50
No. 1—Standard	120 Egg Capacity	24.50
No. 2—Standard	175 Egg Capacity	29.50
No. 3—Standard	250 Egg Capacity	39.50
No. 4—Standard	350 Egg Capacity	47.00
No. 5—Standard	600 Egg Capacity	70.00

Buckeye Mammoth 2440 Egg Capacity 300.00

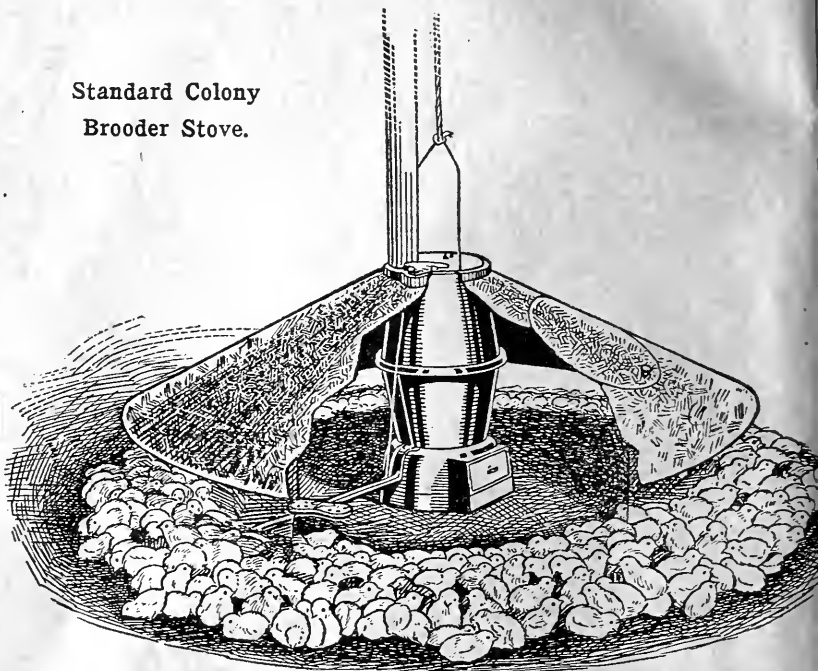
BUCKEYE PORTABLE BROODER

The oil burner that broods like a coal burner.

No. 20—Capacity 60 chicks	7.50
No. 21—Capacity 100 chicks	9.50
No. 22—Capacity 150 chicks	12.50
Security Portable Brooder—Capacity 150 chicks.....	15.00

Standard Colony

Brooder Stove.



STANDARD COLONY BROODER STOVE

Burns hard coal or gas. It is self-feeding and self-regulating; saves labor, time and fuel. Ask for descriptive pamphlet.

No. 18—Capacity 500 chicks	\$17.50
No. 19—Capacity 1000 chicks	21.50

BUCKEYE KANT-KROWD HOVER

This Hover is all that the name implies—and more. It is a hover that possesses every desirable qualification for the welfare of the little chicks and the convenience of the poultryman.

It proves every ideal condition, and its construction is so simple that its operation becomes a pastime instead of a burden.

There is nothing to adjust, nothing to get out of order, nothing to look after but the lamp—and that requires refilling every 48 hours.

It is simple, safe, fireproof, liceproof, foolproof, convenient, economical, practical, sanitary and durable; is warmest at the curtain. The chicks can't crowd. It is portable, just drop it anywhere and light the lamp. Illustrated pamphlet on request. Price, \$10.00.

BUCKEYE HOVERS AND BROODERS

No. 75 Klose-Kontakt Portable Hover (capacity 50 to 75 chicks)	\$9.00
No. 1 Indoor Brooder, capacity 100 chicks).....	9.00
No. 5 Indoor Lampless Hover (capacity 50 chicks).....	2.50
No. 6 Indoor Lampless Hover (capacity 75 chicks).....	3.50

PRAIRIE STATE INCUBATORS

The Prairie State is one of the best hot air Incubators on the market. It has been a most popular machine for many years and has won an enviable reputation for remarkable hatches and healthy chicks. It is well made of cypress and the moisture is supplied "nature's way," by means of a tray of sand under the eggs. Those preferring a hot air machine can get nothing better than the Prairie State. Ask for a complete descriptive catalogue.

Sizes.

No. 0—Keystone (capacity 60 eggs).....	\$15.00
No. 0—Standard (capacity 100 eggs).....	27.00
No. 1—Standard (capacity 150 eggs).....	35.00

We can supply any other sizes wanted on short notice.

Poultry Appliances



Feeder in Operation.

Norwich Automatic Exerciser and Feeder

We are the State agents and distributors for the Norwich Automatic Exerciser and Feeder.

The machine consists of a Hopper sufficiently large to carry a given quantity of grain feed, in the bottom of which is fitted an adjusting valve, which is set to allow such quantities of feed to escape from the Hopper as may be desired. Directly under the valve is located the Deflector, and the feed, passing from the Hopper through the valve, falls at once to the Deflector, and by it is scattered on the ground or floor in a wide, even circle. The Bait Bar (which is the cross-piece under the deflector resembling an ear of corn) is connected by adjustable rod with a small agitating disk which performs the double duty of acting as a stop to the valve, and stirring up the feed about to be delivered. The machine, as will be observed, is mounted on three adjustable legs so it will stand in any yard whether level or located on a hillside, and may be used alike for baby chicks fresh from the incubator or the adult fowl, by simply lengthening or shortening the legs as desired. Ask for pamphlet.

SHENANDOAH CO., VA., Sept. 19, 1916.

I have been using the Norwich Automatic Feeders for several years, and find it a good machine. I am now sending you my order for 5 more machines, which you will please send to me promptly. I enclose check in payment.

Respectfully,

MISS SARAH MINNICK.

- | | |
|------------------------------|-------------------------------|
| No. 1. 8-qt. size.....\$3.00 | No. 3. 20-qt. size.....\$5.00 |
| No. 2. 14-qt. size.....4.00 | No. 4. 32-qt. size.....6.00 |
- Five or more at one order, 5 per cent. discount.

APACO FEEDER—Automatic—This Feeder works on the same principle as the Norwich Automatic, except it must be hung up when in operation, as it has no legs to stand on. Holds 1 peck. Price, only \$1.50 each.

MANN'S GREEN BONE CUTTER—Unquestionably the best Bone Cutters on the market, and we recommend them with entire confidence.

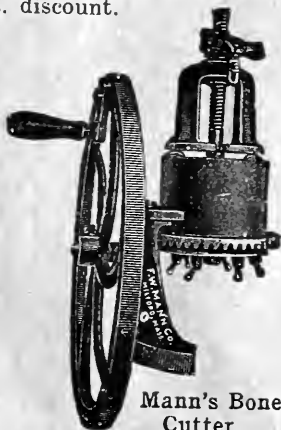
No. 5C—With crank handle, \$7.00.

No. 5B—With balance wheel, \$9.00.

No. 5BM—With balance wheel, and mounted on iron stand, \$12.00.

No. 7—The best and most economical size to buy for a yard of 100 hens

or more, \$15.00. Larger sizes quoted on application. Complete pamphlet mailed on request.



Mann's Bone Cutter.



Sexton's Dry Food Hopper. each).

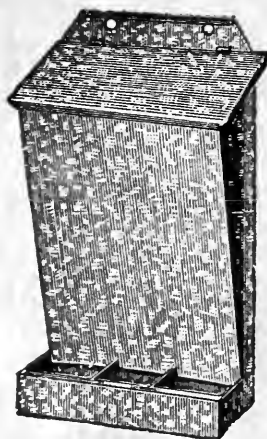
EARTHENWARE DRINKING FOUNTAIN—These are two-piece fountains with drinking basin at bottom. 1 qt. 30 cts. (mailing weight 3 lbs.); 2 qt. 40 cts. (mailing weight 5 lbs.); 4 qt. 50 cts. (mailing weight 9 lbs.); 8 qt. 75 cts. (mailing weight 17 lbs.).

CAGE DRINKING FOUNTAIN or FOOD PAN—This is half round, galvanized, made to hang in poultry or rabbit coops for holding food and water. $\frac{3}{4}$ -pt. size 25 cts.; $\frac{3}{4}$ -qt. size 35 cts. (mailing weight 1 lb. each).

COLLINS GRAIN SPROUTER—Is made in units of eight individual pans, of galvanized steel, and a drip pan at the bottom. It sprouts oats quickly ready to be fed to poultry in ten days. Descriptive pamphlet on request. Size 8 pans, 11x15, \$4.00; size 8 pans, 11x32, \$8.00.

GALVANIZED BOSTON DRINKING FOUNTAIN—A one-piece fountain with handle on top. The most convenient and handiest fountain for all fowls except baby chicks. 1-qt. size 35 cts. (mailing weight 2 lbs.); 2 qt. 40 cts. (mailing weight 2 lbs.); 1 gal. 65 cts. (mailing weight 2 lbs.); 2 gal. 90 cts. (mailing weight 3 lbs.).

SEXTON'S DRY FOOD HOPPERS—With wire screen in front. Mice and rain proof. 4 qt. size \$1.00 (mailing weight 4 lbs.); 8 qt. size \$1.25 (mailing weight 6 lbs.).



GRIT SHELL and CHARCOAL BOXES

—3 partitions, 75 cts. (mailing weight 3 lbs.).

BABY CHICK FEEDERS—A round metal Feeder holding 2 qts.; keeps feed clean and prevents waste; 75 cts. each (mailing weight 2 lbs.).



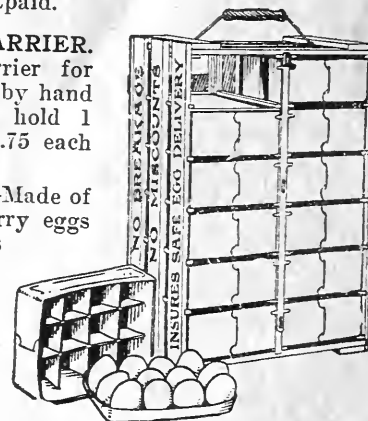
Baby Chick Feeders.

POULTRY FOOT PUNCHES—40 cts each postpaid.

FARMERS MODERN EGG CARRIER.—A handy and convenient carrier for marketing eggs. Can be carried by hand or shipped by express. Trays hold 1 dozen each. Holds 18 dozen. \$1.75 each (mailing weight 11 lbs.).

PARCEL POST EGG BOXES—Made of strong corrugated paper, will carry eggs safely by parcel post or express and can be used repeatedly.

- 1 dozen size (mailing weight 1 lb.), 10 cts. each; \$1.00 doz.
- 2 dozen size (mailing weight 2 lbs.), 15 cts. each; \$1.75 doz.
- 3 dozen size (mailing weight 2 lbs.), 18 cts. each; \$1.80 doz.
- 4 dozen size (mailing weight 3 lbs.), 25 cts. each; \$2.50 doz.
- 5 dozen size (mailing weight 4 lbs.), 30 cts. each; \$3.00 doz.



Farmers' Egg Carrier.

PASTEBOARD EGG BOXES—For holding 1 dozen eggs, neatly packed; 20 cts. per doz.; \$1.00 per 100 (mailing weight 2 lbs. to 1 dozen).

STAR EGG CARRIERS—A handy wooden case, holding 1 dozen eggs—easy to handle, avoids breakage and miscounts. 25 cts. each (mailing weight 1 lb.); \$2.50 dozen (mailing weight 13 lbs.).

SHIPPING COOPS—Made of heavy carton paper for shipping grown fowls; carries safely. 1 fowl size, 60 cts.; 2 fowl size, 75 cts.; 5 fowl size, 90 cts.

DELPHOS POULTRY HOVERS—A sanitary, vermin proof, metal hover for hens with chicks, small dogs, rabbits and pet stock. \$1.50 each.

POULTRY KILLING KNIFE—Has a long, keen, narrow blade for killing poultry. 50 cts. each (mailing weight 4 ozs.).

STANDARD EGG TESTERS—Price, 30 cts. (mailing weight 4 ozs.).

TYCO INCUBATOR THERMOMETERS—Adjustable, can be used in any machine. Price, 75 cts. (mailing weight 4 ozs.).

BROODER THERMOMETERS—Price, 60 cts. (mailing weight 3 ozs.).

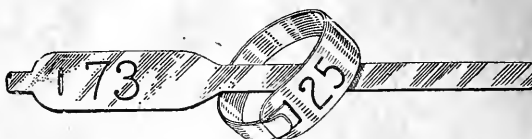
HYGROMETERS—For testing moisture in incubators. \$1.75 each (mailing weight 1 lb.).

ZERO INCUBATOR LAMPS—Price, complete, \$1.35 each (mailing weight 2 lbs.).

KNOX MEDICATED NEST EGGS—In this is combined a nest egg and vermin killer in one. They look exactly like natural eggs and are just the thing for laying hens. 5 cts. each (mailing weight 4 ozs.); doz. 55 cts. (mailing weight 2 lbs.).



PORCELAIN NEST EGGS—3 for 10 cts. (mailing weight 1 lb.); 30 cts. doz. (mailing weight 1 lb.).



Leader Leg Band.

No. 1—for small breeds.

No. 2—For large breeds, 15 cts. doz.; 75 cts. per 100 postpaid.

COLORED ALUMINUM LEG BANDS—These have large, bright, fast-colored numbers in different colors, which can be easily seen without catching the fowls; they are adjustable to fowls of all sizes. Per doz. 35 cts.; per 100 \$2.00 postpaid.

COLORED CELLULOID LEG BANDS—Made in ring form; all sizes; easily adjusted. Are not numbered. Write what breed of fowls wanted for and we will send proper size. Colors, white, yellow, red and green. 15 cts. doz.; 75 cts. 100 postpaid.

DOUBLE CLINCH ALUMINUM LEG BANDS—Made in all sizes from pigeon size to largest fowls. Numbered consecutively from 1 to 100.

Write what breed of fowls wanted for and we will send proper size. 15 cts. doz.; 75 cts. 100 postpaid.

LEADER ALUMINUM LEG BANDS—Adjustable, and can be made in different sizes to fit the fowls. Numbered consecutively from 1 to 100.

PUMPS AND SPRAYING DEVICES

AUTO SPRAY No. 1.—Accepted as the standard in compressed air sprayers and fully guaranteed by the manufacturers. Useful in spraying trees, crops, whitewash and disinfectants. Recommended not alone because of its durability, but for its efficiency, which is far ahead of any other machine of this style.

Auto Pop No. 1, the only self-cleaning nozzle and operates automatically.

A—Brass tank with stop cock, \$9.00.

B—Brass tank with Auto Pop No. 1, \$9.50.

C—Galvanized tank with stop cock, \$6.00.

D—Galvanized tank with Auto Pop No. 1, \$6.50.

2-ft. brass extension, per length, 60c.



Auto Spray No. 1.

JUNIOR PUMP SPRAYER.—This pump requires no fastening of any kind, holds itself down, works anywhere. Everything except handle and hose are solid brass. Will pump from a pail, barrel, tank, spring or creek, without fastening of any kind. Weighs only three pounds. Ready for instant use everywhere. Will throw solid, continuous stream, one flat spray and one fine, round spray. Has automatic mixer to keep solution stirred. Price, \$3.50 (mailing weight 3 lbs.).

Junior Pump Sprayer.

PERFECTION COMPRESSED AIR SPRAYER.—A good knapsack sprayer, made of galvanized iron. Throws a continuous spray; holds 5 gallons. Price, \$6.00.

IDEAL SPRAYER.—This sprayer is mounted on a wheelbarrow frame, can be rolled from place to place, has strong force pump, and by using extension pipe can spray on the ground or any distance up to 30 ft. high. Tank holds 15 gals. Price \$22.00.

MODOC BUCKET PUMP SPRAYER. Made of brass, and can be used in any bucket or tub; is held in position with foot, and pumped by hand; used both for spraying and white washing. Price, \$3.50.

Auto Spray No. 5.

AUTO SPRAY No. 5.—This is a splendid spray pump for general use. It may be used for spraying trees, vines, and any field or garden truck. Is made entirely of brass, double acting, or makes continuous spray. Will make either single stream or spray. Can be used for washing windows, carriages, etc. Price, with hose, nozzle and strainer complete, \$5.00.

GLASS JAR SPRAYER.—Solution tank is a one-quart Mason Glass Fruit Jar. Price, 65 cts. each (mailing weight 3 lbs.).

LOWELL COMPRESSED AIR SPRAYER.—A 5-gallon knapsack sprayer, made of galvanized iron. Price, \$6.00.



DICKEY DUSTERS.—A small long cylinder duster for applying dry powder on plants. 30 cts. each (mailing weight 1 lb.).

B-D SIFTER is latest hand-device for applying Bug Death and dry powders to plants and vegetables. The bottom and a part of the body is perforated and is so arranged the quantity is regulated according to size of plants and desire of operator. It is simple, practical, economical and low in price. Holds about 2 qts. 65 cts each (mailing weight 2 lbs.).



FERTILIZERS

For All Crops

With the high prices now prevailing for all Farm crops, and the scarcity of farm labor, Farmers, Truckers and Gardeners should this year, use Fertilizers more freely than ever before, thereby, producing better crops on the same land by intensive cultivation.

We regret the necessity of raising the price of Fertilizers, but owing to the continued and advancing high cost of labor, sacks and all other materials used in the manufacture of Fertilizers, higher prices are inevitable, but when it is considered that all farm products are selling at from 100 to 200 per cent higher than pre-war times, Farmers should increase, rather than curtail the use of Fertilizers on all of their crops during 1918.

We have given careful thought to the needs of our customers in making up our list of Fertilizers and in the following will be found brands with analysis to meet the needs and requirements of any farmer, whether he grows Vegetables for market or home use, or raises Grain and Grass crops.

While we hope to be able to sell at these prices through the Spring season, we cannot guarantee them on account of the unsettled marked conditions of the various materials composed in the manufacture of these goods.

D. & B's. Garden & Potato Grower

We have had this high grade Fertilizer manufactured especially for early Garden Vegetables and Irish Potatoes, it is a complete and well balanced Fertilizer for all of these crops.

Analysis.

Phosphoric Acid	8 per cent
Ammonia	5 per cent
Potash	4 per cent
100 lbs. \$4.00; 200-lb. sack \$7.85; per ton \$77.00.	

D. & B's. Sweet Potato Grower

This brand we have specially prepared for Sweet Potatoes. It is also an excellent Fertilizer for Peanuts and all Grain crops.

Analysis.

Phosphoric Acid	8 per cent
Ammonia	2 per cent
Potash	2 per cent
Per 200-lb. sack \$4.65; per ton \$45.00.	

D. & B's. Vine and Vegetable Grower

A complete Fertilizer for Vegetables and all crops requiring a liberal quantity of potash. We have sold this brand many years and it has given splendid results wherever used, and our customers who have used it are loud in their praises of it and when the percentage of potash is taken into consideration it is probably the cheapest Fertilizer that can be bought this year.

Analysis.

Phosphoric Acid	8 per cent
Ammonia	3 per cent
Potash	4 per cent
Per 200-lb. sack, \$6.65; per ton, \$65.00.	

Capital Truck

An old brand and a well known Fertilizer is especially recommended for early corn and all quick growing vegetable crops.

Analysis.

Phosphoric Acid	8 per cent
Ammonia	4 per cent
Potash	3 per cent
Per 200-lb. sack \$6.65; per ton \$65.00.	

Star Brand Vegetable

This is a good, well balanced Fertilizer for all vegetables, melons and tobacco.

Analysis.

Phosphoric Acid	8 per cent
Ammonia	3 per cent
Potash	3 per cent
Per 200-lb. sack \$6.10; per ton \$59.00.	

Beef Blood and Bone

This popular and well known brand of Fertilizer is especially recommended for Corn, Field Peas, Beans, Millets, Oats, Fodder Plants, and Sweet Potatoes.

Analysis.

Phosphoric Acid	8½ per cent
Ammonia	2 per cent
Potash	1 per cent
Per 200-lb. sack \$4.15; per ton \$40.00.	

Fish Bone and Potash

A well balanced Fertilizer at a moderate price, for Corn, Peas, Fodder Plants and Peanuts.

Analysis.

Phosphoric Acid	9 per cent
Ammonia	1½ per cent
Potash	1 per cent
Per 200-lb. sack \$3.65; per ton \$35.00.	

16 Per Cent Acid Phosphate

This is very beneficial for nearly all soils, many of our customers make excellent Grain and Grass Crops with Acid Phosphate. We do not offer or recommend a lower grade than 16 per cent, as it would be more expensive proportionably to use.

Per 200-lb. sack \$2.30; per ton \$22.00.

Nitrate of Soda

This is largely used to produce a quick growth, especially in Garden Crops, bringing them on very rapidly, but it is of no permanent value as a Fertilizer. It also is used to stimulate the growth of grass in the Spring and as a top dressing for Vegetables, but it should be used very lightly, not over 100 lbs. to the acre.

Per lb. 15 cts.; 25 lbs. \$2.00; 100 lbs. \$6.00; 200 lbs. \$10.25; per ton \$100.00.

Baugh's Pure Raw Bone Meal

A splendid Bone and in fine mechanical condition, and drills perfectly.

Analysis.

Phosphoric Acid	23 per cent
Ammonia	4½ per cent
Per 200-lb. sack \$5.55; per ton \$54.00.	

"Naturesown"—High Grade Phosphate

This is ground from phosphate rock, the analysis of which is as follows:

Phosphoric Acid	34 per cent
Lime	46 per cent
Recommended for general farm crops. Per 200-lb. sack, \$2.00; per ton \$19.00.	

Booklet giving full information mailed on request.

Pulverized Sheep Manure

This is the pure, natural manure saved from the stock yards, is thoroughly dried, pulverized and screened; is light and easily and quickly applied. It is free from weed seeds and a splendid Fertilizer for general crops and especially for top dressing lawns, and golf courses, shrubs and flowers. It is rich in potash and our sales on these goods have increased enormously within the four years we have handled it. Give it a trial and you will be pleased with results.

Per 5-lb. package	\$.30
Per 10-lb. package .....	.45
Per 25-lb. bag .....	.80
Per 50-lb. bag	1.35
Per 100-lb. bag	2.25
Per 500 lbs.	10.00
Per 1000 lbs.	19.00
Per ton	37.00

Basic Slag

Especially recommended for grain and grass crops.

Analysis.

Phosphoric Acid	18 per cent
Phosphate of Lime	45 per cent
Per 100-lb. sack \$1.40; per ton \$25.00.	

Lee's Prepared Burnt Shell Lime

Valuable for applying on Clover, Grass and Peanut crops. Particularly valuable to be used when preparing land for Alfalfa. Per 100-lb. sack \$1.00; per 200-lb. sack \$1.50; per ton \$12.50.

Swift's Fertilizers

We are the authorized agents for Swift's Fertilizers, which we have sold for years, and our customers who have used these goods praise them highly, having gotten excellent results from their use.

Swift's Special Truck

A Fertilizer especially prepared for forcing early crops which do not require Potash and can therefore be sold at a lower price than Potash goods.

Analysis.

Phosphoric Acid	8 per cent
Ammonia	5 per cent
Potash	0 per cent

Per 200-lb. sack \$5.45; per ton \$53.00.

Swift's Garden and Truck

A good Fertilizer for general crops, particularly recommended for all Vine Crops, especially Melons and Cantaloupes.

Analysis.

Phosphoric Acid	8 per cent
Ammonia	4 per cent
Potash	1 per cent

Per 200-lb. sack \$5.45; per ton \$53.00.

Swift's Red Steer

A complete Fertilizer, especially recommended for all grain crops, Peanuts, Tobacco and Sweet Potatoes.

Analysis.

Phosphoric Acid	8 per cent
Ammonia	2 per cent
Potash	2 per cent

Per 200-lb. sack \$4.65; per ton \$45.00.

Swift's Beef Bone

This is the pure Bone, which has been steamed and ground. Splendid for grain and grass crops.

Analysis.

Phosphoric Acid	27 per cent
Ammonia	2½ per cent
Potash	0 per cent

Per 200-lb. sack \$4.65; per ton \$45.00.

Swift's Pure Bone Meal

A first-class pure ground Bone, it is an excellent plant food and a permanent soil improver, is especially recommended for Grass, Clover and Grain Crops, also gives splendid results when used on fruit trees.

Analysis.

Phosphoric Acid	22 per cent
Ammonia	4½ per cent

Per 200-lb. sack \$5.45; per ton \$53.00.

FARMOGERM

A High-Bred Nitrogen-Fixing Bacteria
A Reliable Method of Inoculation

Farmers now thoroughly appreciate the fact that success with legume crops such as Peas, Beans, Peanuts, Clovers, Alfalfa, Vetch, etc., depends to a great extent on having the right kind of bacteria to supply these plants with Nitrogen—Farmogerm is a preparation of legume bacteria that have been bred up and selected and that can be guaranteed to be pure, live and active. Put Farmogerm on the seed before planting your next legume crop, as it is one of the best forms of crop insurance.

Prices: Farm size for 5 acres, Trial size for 1 acre, \$2.00. Garden size for Peas, Beans and Sweet Peas, 50 cts. ordering state which of the following you wish it for: Cow Peas, Soja Peas, Peanuts, Alfalfa, Clover (what kind), da Field Peas, Garden Peas or Beans.

Full Farmogerm Literature mailed on request.



SUNDRY ARTICLES FOR THE GARDENER'S USE

DANDELION WEED KILLER.—A brass tube, to be filled with gasoline or kerosene oil and injected into the roots of the weeds. It inserts a few drops of oil, which kills the plant. Price, by mail \$1.15 postpaid. By express \$1.00.

GARDEN TROWEL.—Made of the best steel. By mail 40c each postpaid. By express, 30c each.

MOLE TRAP.—A strong galvanized trap. Should be placed over the run. Price, 85c each.

GARDEN LINE.—50 ft. length. By mail 40 cts. postpaid. By express 30 cts.

JUTE TWINE.—For anchoring vegetables, tying up tomatoes, and vines, etc.; 2-ply or 3-ply. 25 cts. per lb. 5 lbs. and over at 23 cts. By mail 30 cts. lb. postpaid.

BINDER TWINE.—Standard, 5-lb. ball, \$1.25; 50-lb. bale,

HOT BED SASH.—Open (without glass), made of cy either grooved, or rabbited, to fit glass; \$1.50 each.

GLASS FOR HOTBED.—Per box of 150 lights 6x8, \$ per box of 90 lights, 8x10, \$4.75.

ASPARAGUS KNIVES.—Very useful and convenient for cutting Asparagus. 45c each by mail postpaid. By express, 40c

BERRY BASKETS.—For packing berries and fruits. Price 1000 to the crate.

	Per 100	Per
1 pint size (oblong)	\$.65	\$5
1 quart size (square)	.65	5
2 quart size (oblong)	1.15	10
3 quart size (oblong)	1.45	13
4 quart size (oblong)	1.55	14

INDEX

	Page
Artichoke	39
Asparagus	4, 17
Beans, Dwarf Snap	4, 5
Beans, Pole Snap	5
Beans, Lima	6
Beans, Soja	40
Beans, Navy	40
Beans, Velvet	40
Beans, Tepary	40
Brussels Sprouts	6
Beets	7
Berry Baskets	48
Bird Seed	42
Broom Corn	41
Buckwheat	41
Bulbs	32
Barley	40
Cabbage	8, 9
Cantaloupe	12
Carrot	9
Cauliflower	9
Collards	6
Celery	9

	Page
Corn, Garden	10
Corn, Field	37, 38
Corn, Salad	6
Cucumber	11
Cress	11
Clover Seed	34
Egg Carriers	45
Egg Plant	11
Endive	11
Flaxseed	42
Flower Seeds	24-32
Fertilizers	47, 48
Farmogerm	48
Glass for hotbeds	48
Grass Seeds	35
Gourds	31
Hotbed Sash and Glass	48
Herbs	11
Insecticides	49
Incubators and Brooders	44
Kaffir Corn	39
Kale	14
Kohl Rabi	11

	Page
Lawn Grass	1
Leek	11
Lettuce	14
Melon, Water	13
Milo Maize	39
Millet	39
Mustard	15
Oats	40
Onion Seed	15
Onion Sets	15
Okra	15
Parsley	17
Parsnip	17
Peas, Garden	16
Peas, Field	38
Peanuts	41
Pepper	17
Planet Jr. Garden Tools	33
Plants	17
Potatoes, Irish	18, 19
Potatoes, Sweet	19
Poultry Food, Remedies and Supplies	42, 46

Pumpkin	
Radish	
Rape	
Rhubarb Roots and Seed	
Rye	
Salsify	
Sorghums	
Sprayers and Dusters	
Spinach	
Squash	
Sunflower	
Sudan Grass	
Seed Sowers	
Teosinte	
Tobacco	
Tomato	
Tuberose Bulbs	
Turnip	
Twine	
Vegetable Plants	
Vetches	
Wheat	

DIGGS & BEADLES

(Incorporated 1902)

SEED MERCHANTS, RICHMOND, VA.

It frequently occurs that the prices of articles may have changed between the time our catalogue is printed and receipt of orders, when such is the case on paid orders, if the article ordered is cheaper, we will send the value of same at the ruling prices. If the articles ordered are higher, we will deduct the quantity to meet the amount of remittances. It also frequently occurs that our stock of some articles are exhausted when orders are received. Should such be the case with any article ordered by you, can we substitute the nearest similar article?
Answer here, yes or no(.....).

Diggs & Beadles, Inc., give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any Seeds, Bulbs or Plants they send out, and will not be responsible for the crop.

For full instructions about ordering, read "Important Notes" in front of catalogue.

Please forward the following, as per terms of your catalogue:

Date,

FORWARD BY

(State here if wanted by Mail, Express or Freight, and Route.)

Send to

(Name)

(Write plainly—Ladies will please put the prefix Miss or Mrs.)

Post Office:

....., State.....
(Write plainly.)

County, { R. F. D. No.
Box No.

Shipping Depot or Express Office

if different from Post office.....

On What Railroad is Your Shipping Point?.....

AMOUNT ENCLOSED

(Loose money is not safe.)

P. O. Order,

Express Order

Cash,

Stamps,

Wrap carefully to prevent sticking.

Check or Draft,

Total,

Order No.

Put up by

Shipped by

Date Shipped

SHIPPER'S
CHECK

QUANTITY

NAMES OF ARTICLES WANTED
Be sure and add postage to articles ordered by mail if not quoted postpaid.

PRICE
@

AMOUNT

AMOUNT CARRIED OVER,

SHIPPER'S
CHECK

QUANTITY

NAMES OF ARTICLES WANTED
Be sure and add postage to articles ordered by mail if not quoted postpaid

PRICE
@

AMOUNT

AMOUNT BROUGHT FORWARD,

If you will kindly send us below names and addresses of your friends
and neighbors who buy Seeds or Poultry Supplies, we will take pleasure
in mailing them our catalogue.

which
have
ears
d you
5-lb.
10-lb.

INSECTICIDES

THESE QUOTATIONS ARE BY EXPRESS OR FREIGHT, EXCEPT WHERE NOTED. POISONS AND LIQUIDS CANNOT BE SENT BY PARCELS POST.

Owing to war conditions and market fluctuations these prices are subject to change at any time.



HAMMOND'S SLUG SHOT.—A very effective insect destroyer and one of the best powders for destroying bugs and other insects on all vine and garden crops. It comes ready for use and is generally applied dry, but can be used in water. Pamphlet giving full information on request. 5-lb. pkg. 40 cts.; 100-lbs. \$7.00. We also have this in a small size. 1-lb. filled canister, with perforated top ready for dusting on, 20 cts. each.

BUG DEATH.—A safe and sure insect destroyer. Will not burn the vine or leaf. Promotes growth and increases yield. Harmless to animals. Safe to handle. Will not

wash off; may be used dry, or if desired, may be mixed with water, using ¼ lb. Bug Death to 1 gallon water. 1-lb. 20 cts.; 3-lb. pkg. 45 cts.; 5 lbs. 60 cts.; 12½ lbs. \$1.25; 100-lb. keg \$8.00.

FUMIGATING SULPHUR CANDLES.—Contain sufficient sulphur to burn three hours. They are excellent for ridding poultry houses, dog kennels, cellars, out-houses, etc., of certain insect pests and many disease germs. Price, by mail 25 cts. each; \$1.75 doz. postpaid. By express 20 cts each; doz. \$1.60.

ANTI-CROW CORN OIL.—A preparation of oil to prevent crows and blackbirds from pulling up the young corn. Just put the corn in the oil and plant it when it has dried. The crows will leave the cornfield as soon as they pull a few grains. It does not in the least injure the germination of the corn. Price, 1 pint can 25 cts.; 1 qt. can 45 cts.

CATTLE OIL.—We guarantee this preparation or we will return the purchase price. Thousands of cans have been sold under the "money-back" guarantee, and we thoroughly believe that Guaranteed Cattle Oil is more lasting and satisfactory than any other fly oil manufactured. We claim that when properly used it will protect cattle all day in ordinary weather. It does not blister the animal or taint the milk, and is not disagreeable to use. Price, 1 qt. 30 cts.; 1 gal. 90 cts.



Pat. March 16 and Nov. 9, 1897.
Pat. in Canada Nov. 2, 1897,
and Jan. 25, 1900.



STERLINGWORTH LIQUID BORDEAUX

It is a remedy and preventive for treating certain fungus diseases. It controls and prevents certain scab, leaf spots and sooty mould of the apple, and many of the rusts, leaf blight of currant and gooseberry, celery and pear blight, also many fungus diseases, blights and leaf spots that attack shade trees. Price, 1 qt. 35 cts.; 1 gal. \$1.00; 5 gals. \$4.50.

BORDEAUX MIXTURE.—In powdered form to be diluted in water. Full directions on each pkg. 1-lb. pkg. 35 cts.; 5-lb. pkg. \$1.40; 10-lb. pkg. \$2.25.

STERLINGWORTH CUT WORM KILLER.—It is a coarse powder for sprinkling near the plants to be protected. It has an enticement for the worms prefer it to vegetation. It is non-poisonous and chickens or birds will not be poisoned if they eat the worms killed by it. 1 lb. 30 cts.

LEMON OIL INSECTICIDE.—Highly recommended for destroying mildew and insects on house plants, poultry and pet stock. ½-pt. can 30 cts.; 1-pt. can 50 cts.; 1-qt. can 90 cts.

STERLINGWORTH FISH OIL.—Makes an excellent wash for trees and plants where insects and eggs affect the bark, and for smearing on the trunks of trees to prevent worms from crawling up. 1-lb. 20 cts.; 5 lbs. 75 cts.

PARIS GREEN.—Is effective for destroying potato bugs, tobacco worms and other insects. Is a very strong poison, and should be used carefully. Mix 1 lb. Paris Green to 150 gallons of water. ¼ lb. 20 cts.; ½ lb. 35 cts.; 1 lb. 60 cts.; 5-lb. pkg. \$2.75.

LIME AND SULPHUR WASH.—Recommended for spraying fruit trees and all nursery stock. For destroying San Jose scale and other disease and insects. Full directions for using with each package. 1 qt. 30 cts.; 2 qts. 50 cts.; gal. 80 cts.; 5 gals. \$2.25; 10 gals. \$3.50; bbl. of 50 gals. \$12.00.

SOLUBLE SULPHUR COMPOUND.—This in a dry form and should be diluted with water at the rate of 10 lbs. to 50 gallons of water. Recommended for destroying sucking insects and for fungus diseases. 1 lb. 35 cts.; 5-lb. pkg. \$1.25; 10-lb. pkg. \$2.00.

POWDERED ARSENATE OF LEAD.—For destroying leaf eating insects. Should be mixed thoroughly with a small quantity of water to a creamy consistency, then add the required amount of water according to directions on each package. ½-lb. pkg. 35 cts.; 1-lb. pkg. 60 cts.; 5-lb. pkg. \$2.50; 10-lb. pkg. \$4.00; 25-lb. pkg. \$9.50.

FUNGI-BORDO.—This is a convenient, ever-ready dry Bordeaux Mixture concentrate, for spraying fruit trees, shrubs, vegetables, etc. It is in a dry powdered form and should be diluted with water. 1 lb. with 6 gallons of water. Full directions with each package. 1-lb. can 35 cts.; 5-lb. can \$1.50; 10-lb. can. \$2.50.

TUBER TONIC.—A dry powdered combination Potato spray, is especially recommended for Potato bugs and similar insects as well as a preventive of blight. To be diluted in water. Full directions with each package. 1-lb. pkg. 45 cts.

CHLORO-NAPHTHOLEUM.—A splendid disinfectant to be used around stables, cow barns, hog pens, poultry houses, etc. Is also recommended for spraying stock to keep off flies and other insects and is a preventive and cure for sores, scabs and other skin diseases. Dairymen and stock raisers will find this a very desirable disinfectant and vermin destroyer. 1 qt. 65 cts.; 2 qts. \$1.25; 1 gal. \$2.00.

SULPHUR.—Recommended to be used on Irish Potato tubers when planting, at the rate of about 1 lb. of Sulphur to 1 bushel of Potatoes, it prevents the bleeding of Potatoes and is also a preventive of scab. 10 cts. per lb.; 10 lbs. or over, at 8 cts. per lb. Barrel price on application.

RAT CORN.—A dry powder or meal to be mixed with any food that rats and mice will eat. It is an effective poison and the dead rats leave no odor as they are mummified by eating this poison. Small pkg. 30 cts.; large pkg. 60 cts.

TREE TANGLEFOOT.—A sticky preparation used for smearing on the trunks of trees as a safeguard against caterpillars, moths, ants and other creeping insects. Full directions on each package. 1-lb. pkg. 40 cts.; 3 lbs. \$1.25.

"BLACK LEAF 40"

Nicotine Sulphate—40% Nicotine

This is the insecticide that is so highly recommended by Experiment Stations. It destroys Aphis (plant lice), Thrips, Leaf-hoppers on all tree, bush and vine fruits, vegetables, field crops, flowers and shrubs; also Apple Red Bug, Pear Psylla and similar soft-bodied sucking insects—all without injury to foliage.

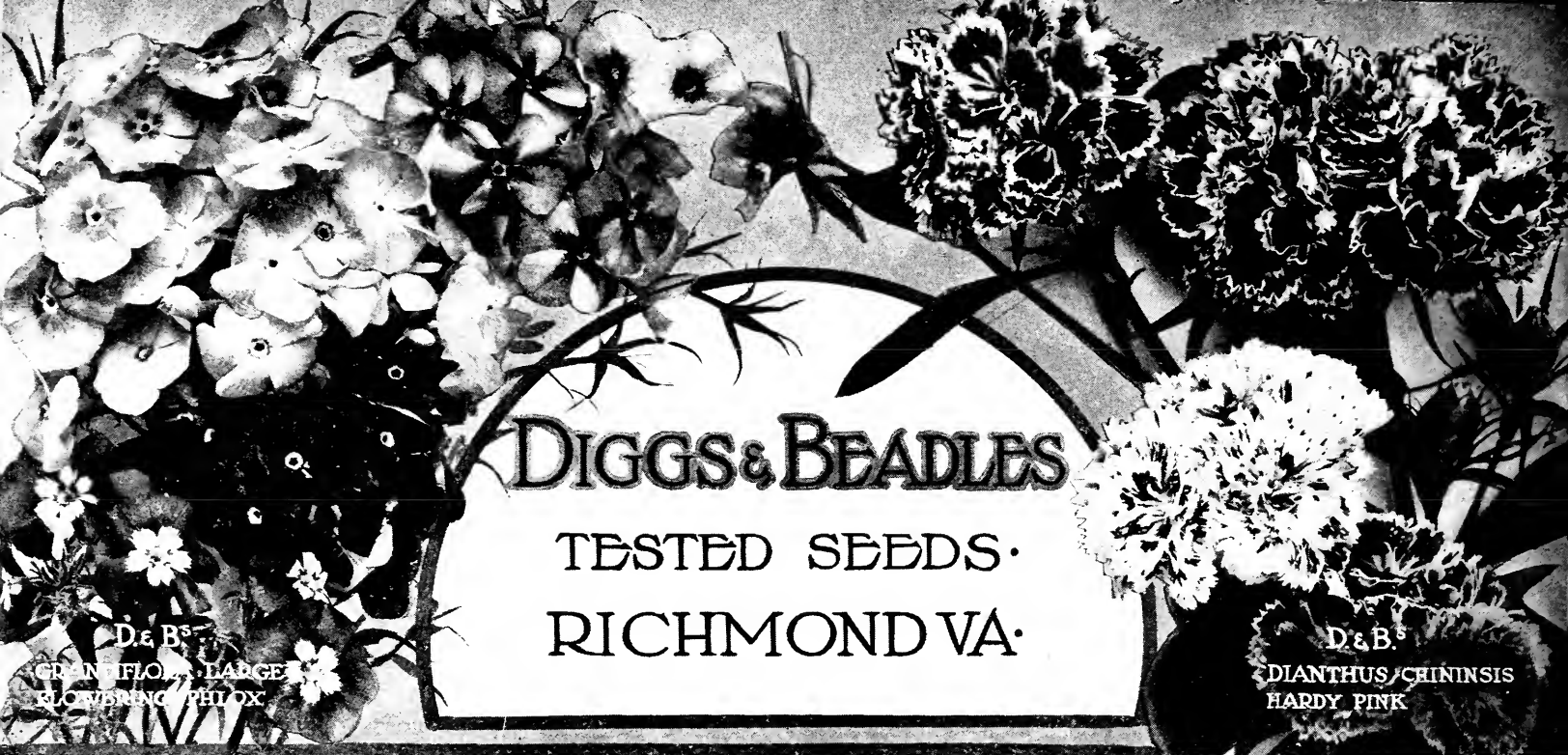
May be combined with other sprays. Highly concentrated. Soluble in water—easy to mix—does not clog nozzles.

You can not go wrong by ordering "Black Leaf 40" for sucking insects.

PRICES:

1 oz.	-\$0.25	-makes 6 gallons spray
½ lb.	- 0.75-	" 40 to 120 gals. spray
2 lb.	- 2.50-	" 160 to 500 " "
10 lb.	-10.75-	" 800 to 2500 " "



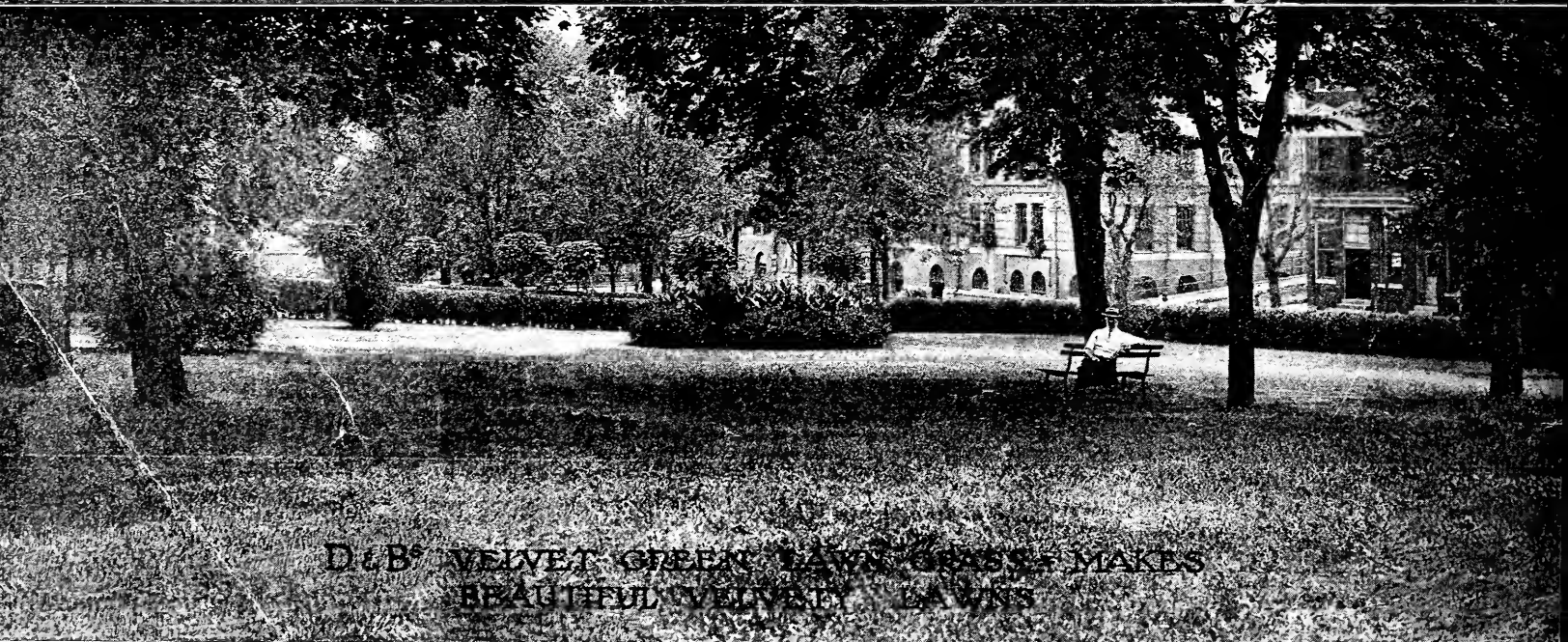


D & B^s
GRAN FLO. LARGE
FLOWERING PHLOX

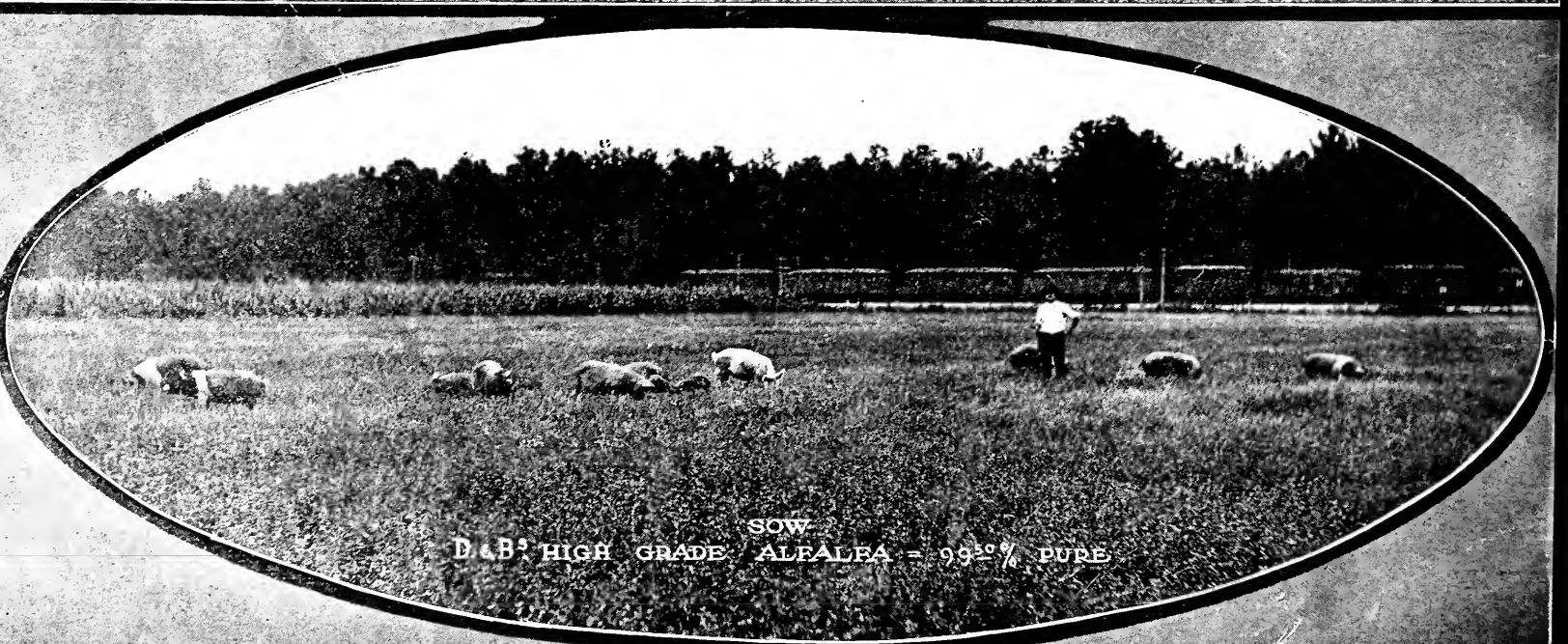
DIGGS & BEADLES

TESTED SEEDS.
RICHMOND VA.

D & B^s
DIANTHUS/CHININSIS
HARDY PINK



D & B^s VELVET GREEN LAWN GRASS - MAKES
BEAUTIFUL VELVET LAWNS



SOW
D & B^s HIGH GRADE ALFALEA = 99³/₄% PURE